

# ... The **Clean** Tech ... **Business** Group Ltd

## **Carbon Reporting and Reduction Plan**

Baseline year 2022

**Reporting Year 2022.**

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## 1. Introduction

The Clean Tech Business Group Ltd has committed to reducing its carbon emission to Net Zero by 2030, using as far as possible direct reduction, and offsetting the remainder.

We do this because we are conscious of the environmental, social and economic imperative to act on climate change.

The UK Government amended the Climate Change Act 2008 in 2019 by introducing a target of at least 100% reduction in the net UK carbon account (i.e. a reduction of greenhouse gas emissions when compared to 1990 levels) by 2050. As a result, Central Government Departments, their Executive Agencies and Non-Departmental Public Bodies are required to ensure that suppliers to contracts with an annual value of in excess of £5 million (excluding VAT) per year are committed to achieving “Net Zero by 2050” for all procurements after 30<sup>th</sup> September 2021.

This has led to PPN 06/21 which applies to all new procurements from this date and this includes framework call-offs and Dynamic Purchasing Systems where the anticipated individual value of the call-off or DPS is £5 million (excluding VAT) per annum or more. To demonstrate compliance, we have set out our environmental management measures in our Carbon Reduction Plan which includes:

- Confirming our commitment to achieving Net Zero by 2030 for our UK operations.
- Details of our carbon footprint/current emissions for the sources included in Scope 1 and 2 of the GHG Protocol and a defined subset of Scope 3 emissions.
- Providing emissions reporting of the CO<sub>2</sub>e (Carbon Dioxide Equivalent) for the greenhouse gases covered by the Kyoto Protocol (predominantly carbon dioxide, methane and nitrous oxide).
- Setting out the environmental management measures we have adopted including specific carbon reduction measures.
- Publication of our Carbon Reduction Plan on our website.

## 2. Scope 1, 2 and 3 Emissions Definitions

**Scope 1 Direct Emissions** - these are direct greenhouse gas emissions that occur from sources that are controlled or owned by us (e.g. emissions from boilers, vehicles etc).

**Scope 2 Energy Indirect Emissions** - these are indirect greenhouse gas emissions associated from the purchase of electricity, heating or cooling and are measured and reported in alignment with our energy use.

**Scope 3 Other Indirect Emissions** - these fall into 15 categories and include all sources not specified within Scopes 1 and 2 above. The Scope 3 emissions that we are required to report on are:

- **“Upstream” transportation and distribution** of products purchased by us from Tier 1 suppliers (e.g. paper, computers, office consumables).
- **Disposal and treatment of waste** generated in facilities not owned or controlled by us.
- **Transportation of employees for business related activities** in vehicles not owned or operated by us.
- **Transportation of employees between home and work** in vehicles not owned or operated by us including in their own vehicles.
- **“Downstream” transportation and distribution** of products sold by us including retail and storage. This category is not applicable as Clean Tech Business Group is a service business and does not produce, transport or distribute products.

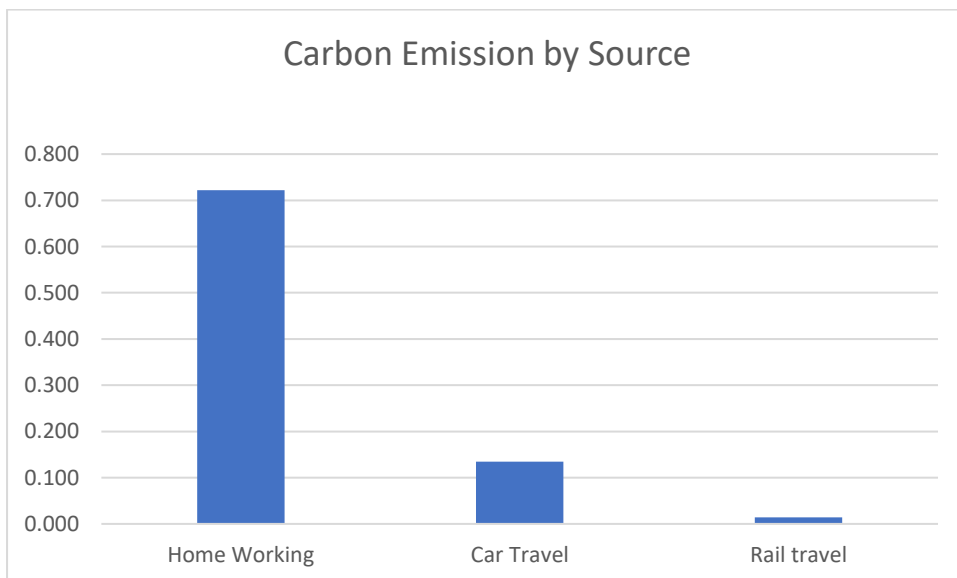
### 3. Carbon impact for the baseline year 2022

The tables below show our carbon footprint in our baseline year **Jan to Dec 2022** when we first started measuring our emissions.

Baseline Year:	January 2022 to December 2022
Baseline Emissions Calculations:	All Scopes tonnes CO <sub>2</sub> e / yr
Scope 1 CO <sub>2</sub> e:	0 t
Scope 2 CO <sub>2</sub> e:	0 t
Scope 3 CO <sub>2</sub> e (included sources): all	0.871 t
<b>Total Emissions:</b>	<b>0.871 t</b>

#### 3.1 Carbon emissions by source.

Carbon Emission by Source t CO <sub>2</sub> e yr	
Home Working	0.722
Car Travel	0.135
Rail travel	0.014
<b>TOTAL</b>	<b>0.871</b>



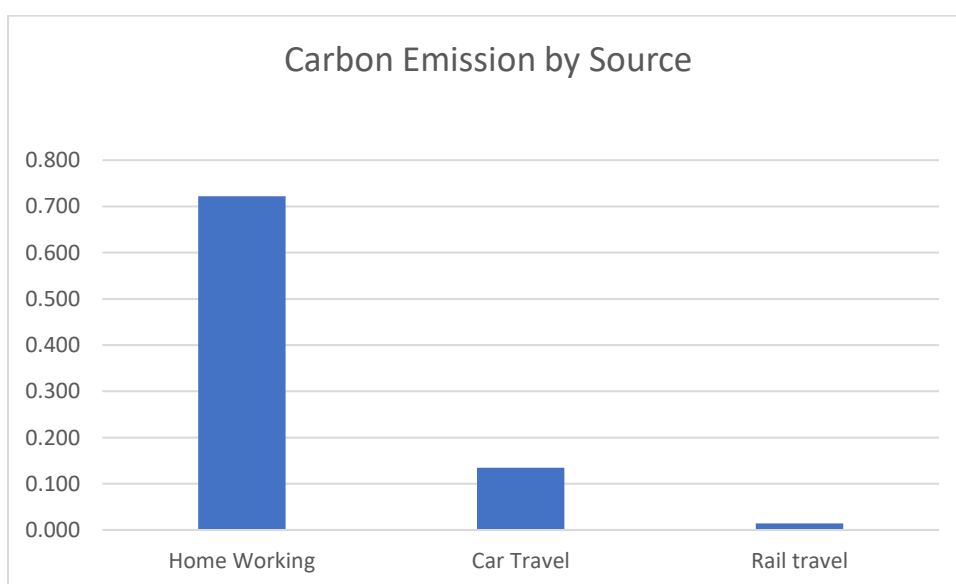
## 4. Carbon impact for the current reporting year 2022

The tables below show our carbon footprint in our baseline year **Jan to Dec 2022** when we first started measuring our emissions.

Baseline Year:	January 2022 to December 2022
Baseline Emissions Calculations:	All Scopes tonnes CO <sub>2</sub> e / yr
Scope 1 CO <sub>2</sub> e:	0 t
Scope 2 CO <sub>2</sub> e:	0 t
Scope 3 CO <sub>2</sub> e (included sources): all	0.871 t
<b>Total Emissions:</b>	<b>0.871 t</b>

### 4.1 Carbon emissions by source.

Carbon Emission by Source t CO <sub>2</sub> e yr	
Home Working	0.722
Car Travel	0.135
Rail travel	0.014
<b>TOTAL</b>	<b>0.871</b>



## 5. Carbon Assessment Observations

Clean Tech Business Group operates from three home offices, in Shrewsbury, Wrexham and Leamington Spa The following observations have made .

- All homeworking emissions fall under Scope 3, as there are no direct employees. All Directors are paid as contractors.
- Being home workers, there is no commuting.
- All sites run paperless, so there are no office consumables for paper or printing ink, and no associated waste.
- All staff meetings are held digitally.
- Well-to-tank vehicle emissions data has been used to calculate emissions from business travel.
- The UK Government Emissions database figures for homeworking do not account for households using 100% renewable energy tariffs.

## 6. Carbon Reduction Commitments /Actions

Clean Tech Business Group is committed to achieving Net Zero by 2030 and as part of this commitment, has an interim targets of reducing emissions by 2025. This plan is reviewed annually by the Directors to check progress and establish if changes should be made to the actions we have in place to maximise our reduction in carbon emissions.

The basis of our Carbon strategy is one of **Measure – Prioritise – Act – Measure – Repeat**.

## 7. Measurement

We report on the sources of environmental impact over which we have operational control and calculate our carbon footprint monthly, in accordance with the Greenhouse Gas (GHG) Protocols Corporate Standard and report against the Kyoto Protocol greenhouse gasses in terms of:

- Actual targets – absolute reduction targets which compare actual figures in the target year to those in the base year.
- Intensity targets – based on a normalising factor.

We conduct our own carbon emissions calculations, set and record our intensity metrics, and provide annual carbon reporting. The data that sits behind this is the **UK Government Greenhouse Gas reporting database**, updated when appropriate.

This provides us with our emissions by source, and total emissions by year, sets our intensity metrics and shows how we are tracking year-on-year.

Our chosen intensity metrics are kg/CO<sub>2</sub> per Man-Day

For the baseline year (and current reporting year) therefore, our **intensity metrics** are:

Unit	Intensity kg CO <sub>2</sub> net
Man-Day	0.411

Our base year for all measurements is 2022. This will not change unless there is a significant change to our company structure (e.g. a merger or acquisition) or a change in the company's ownership, in which case the base year may move to the reporting year following the structural change.



Specific inputs and output used to calculate figures quoted in our Carbon Reduction Plan include:

- Working from Home
- Car travel
- Rail Travel

### **Conversion Factors**

The conversion factors used throughout are the '2022 UK Government Greenhouse Gas Conversion Factors for Company Reporting, specifically:

- Home Working.
- Well to Tank emissions for passenger car and national rail travel.

Because all offices are paperless, there is no recordable data for office supplies and waste.

## **8. Prioritise**

Our annual carbon calculation has enabled us to identify the largest sources of GHG emissions, and to focus our areas of impact. That does not imply however that we are not implementing actions across the board. We have been able to identify quick and easy wins which relate to relatively low impact areas whilst also implementing longer term multi-facet strategies for the larger emission areas.

## **9. Action Plan**

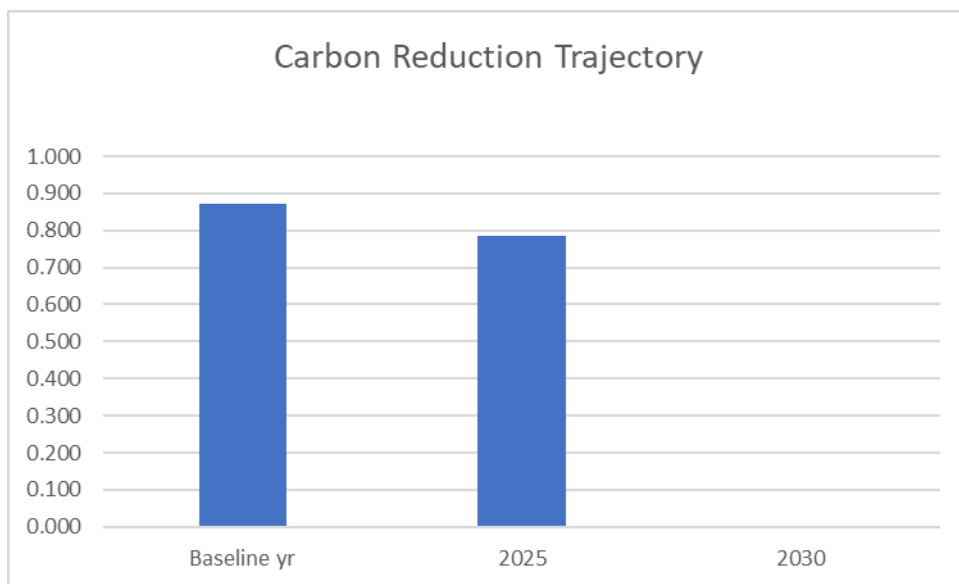
### **9.1 Business Travel**

1. **Encourage** the use of public transport where physical meetings are necessary.
2. **Switch** to fully Electric or Plug-in Hybrid Vehicles when vehicles are next due.

## 10. Carbon Reduction Trajectory

We have set emission reduction target by source as percentage reductions against the baseline year for 2025 as an interim, based on 10% reductions against the total.

By 2030 we will have achieved Net Zero Carbon through mitigation measures, and through third party offsetting.



## **11. Offsetting**

Offsetting the emissions that we can't mitigate will become part of our strategy, but only at the point that we've implemented all of the possible behavioural, process and technology changes.

Carbon offsetting is an unregulated market, and has suffered some negative publicity due to exaggerated claims on carbon savings. We also note that the UK market has little capacity at present.

We will identify a credible and verifiable carbon offsetting scheme, that may be UK or Overseas based.

## 12. Declaration

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans, the GHG Reporting Protocol Corporate Standard and we use the appropriate Government emission conversion factors for greenhouse gas company reporting.

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard.

We confirm this Carbon Reduction Plan is reviewed and signed off at board level on an annual basis and is available on the home page of our website.



**Signature:**

**Name: Ewan Bent**

**Job Title/Designation (must be a director or equivalent): Managing Director**

**Date: 2<sup>nd</sup> April 2023**

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