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Clipstone



Corporate Greenhouse Gas Inventory

Clipstone

04.01.23

Executive Summary & Introduction

Climate change is affecting the entire world causing extreme weather events and rapidly changing climate conditions. It is our role as a global society to limit global warming to 1.5 degrees Celsius and achieve carbon neutrality.

Conducting a carbon footprint is the key first step in saving the planet. It is necessary to determine the extent of the emissions produced, establish reduction goals and measure progress against them.

Clipstone has acknowledged their role in the need to take action, to understand where their emissions come from and what actions can be taken to reduce them.

This report provides a comprehensive account of Clipstone's carbon footprint arising from its operations covering the full year of 2021. This carbon footprint has been calculated in line with the Greenhouse Gas (GHG) Protocol covering Scope 1, 2 and partial Scope 3 emissions.

The total carbon footprint for Clipstone for the 2021 fiscal year is 5.46 tonnes CO₂e. The majority of these emissions are produced via employee commuting and business travel taken over the 2021 fiscal year. The emissions broken down by Scope are as follows:

Scope 1: 0.00 tonnes CO₂e

Scope 2: 1.55 tonnes CO₂e

Scope 3: 3.91 tonnes CO₂e

By undertaking this exercise, MyCarbon have highlighted the key areas in which Clipstone can focus on to reduce emissions. These include maintaining low carbon commuting practices, offering flexible work schedules, uptake of virtual meetings and optimisation of travel routes.

Formal Notes

Client: Clipstone

Date: 04.01.23

Reporting Period: From July 2021 to June 2022

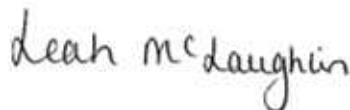
The accuracy of this GHG assessment is directly related to the quality of the data provided by the client.

Primary data representative of activities occurred during the reporting period is used where available. In certain circumstances, secondary data in the form of estimates, extrapolations and/or industry averages is used where primary data is not available.

Assessments based largely on secondary data should only be viewed as an estimate of GHG emissions impact, and actual emissions may vary significantly. It is expected that all clients should aim to improve the proportion of primary data over time.

A Greenhouse Gas inventory produced by MyCarbon, an inventory service provided by Carbon Green Ltd.

**Leah
McLaughlin**
Consultant at
MyCarbon



DATE 04/01/23

Dr. Toby Green
Co-Found & Director
at MyCarbon



DATE 04/01/23

If Clipstone are satisfied with the above information and the data provided is representative of authentic client activities within the reporting period of the 2021 fiscal year, please sign below:

Client Representative Name: Richard Demarchi **Email:** Richard@Clipstone.co.uk

Job title: Chief Operations Director

Phone number: 020 7043 0275

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1. Introduction

This is a greenhouse gas (GHG) inventory report for Clipstone for the 2021 fiscal year, produced by MyCarbon.

Clipstone is a real estate investment management firm specialising in top calibre UK industrial investments.

This report follows the five main reporting principals as outlined by ISO 14064-1:

- **Transparency:** Address all relevant issues in a factual and coherent manner, based on a clear audit trail. Disclose any relevant assumptions and make appropriate references to the accounting and calculation methodologies and data sources used.
- **Relevance:** Ensure the GHG inventory appropriately reflects the GHG emissions of the company and serves the decision-making needs of users – both internal and external to the company
- **Accuracy:** Ensure that the quantification of GHG emissions is systematically neither over nor under actual emissions, as far as can be judged, and that uncertainties are reduced as far as practicable. Achieve sufficient accuracy to enable users to make decisions with reasonable assurance as to the integrity of the reported information.
- **Consistency:** Use consistent methodologies to allow for meaningful comparisons of emissions over time. Transparently document any changes to the data, inventory boundary, methods, or any other relevant factors in the time series
- **Completeness:** Account for and report on all GHG emission sources and activities within the chosen inventory boundary. Disclose and justify any specific exclusions

Clipstone has compiled a GHG inventory report for the 2021 fiscal year to better understand their emissions and carbon footprint.

This report presents the findings of this exercise. The report follows the ISO 14064-1 standard entitled *Specification with Guidance at the Organisation Level for Quantification and Reporting of Greenhouse Gas Emissions and Removals*. The report will be made publicly available at Little Agency.

2. Context

2.1 What is the importance of measuring greenhouse gases (GHGs)?

GHG emissions are contributing to global warming and climate change, which have been recognised as a key sustainable development issue. Many governments through local and international efforts are taking steps to reduce GHG emissions through national policies that include the introduction of emissions trading programs, voluntary programs, carbon or energy taxes, and regulations and standards on energy efficiency and emissions. As a result, companies must be able to understand and manage their GHG risks if they are to ensure long-term success in a competitive business environment, and to be prepared for future national or regional climate policies.

Quantification of GHGs emitted by a business or organisation's activities in the form of a carbon footprint is an important tool used by stakeholders to recognise their impact and take action, often through offsetting activities.

Offsetting is a particular method employed to reduce, remove, or prevent the release of GHG emissions into the atmosphere, which can be done through the purchase and retirement of carbon credits. Due to the tight control on carbon credits, retirement of a credit is the only method one can do to offset their carbon footprint. For example, if a business produced 100 tonnes of CO₂, they would need to purchase and retire 100 carbon credits to become carbon neutral.

2.2 Reporting standards

When performing a GHG inventory, these assessments should align with one of two recognised standards for accounting and reporting corporate GHG emissions. The most well-known is the "Greenhouse Gas Protocol – Corporate Accounting and Reporting Standard" (GHG Protocol, 2011) developed in a partnership of the World Business Council for Sustainable Development (WBCSD) and the World Resource Institute (WRI). The International Organization for Standardization (ISO) also produced the ISO14064 specification series, detailing specification and guidance for the organisation and project levels, as well as for the validation and verification of emissions.

Data supplied by clients is used in GHG assessments, which is quantified into GHG emission estimates by applying relevant and up-to-date emission factor(s) from reputable sources, like DEFRA. An emission factor is a representative value that attempts to relate the quantity of a pollutant released to the atmosphere with an activity associated with the release of that pollutant. Quality and accuracy of emission factors can vary between government publications and scientific research journals, therefore it is best practice to apply emission factors only from reputable sources, such as DEFRA.

GHG assessments quantify all six Kyoto Protocol GHGs, where applicable, and are measured in terms of tonnes carbon dioxide (CO₂) equivalence, or tCO₂e, where

equivalence means having the same warming effect as CO₂ over a period of 100 years. The six Kyoto Protocol gases are CO₂, methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons (HFCs), sulphur hexafluoride (SF₆) and perfluorocarbons (PFCs). The global warming potential (GWP) of each GHG are listed in Table 1.

Table 1 | GHGs listed in the Kyoto Protocol and their Global Warming Potential (GWP)

Greenhouse Gas	Chemical Formula	GWP (CO ₂ e)
Carbon dioxide	CO ₂	1
Methane	CH ₄	28
Nitrous oxide	N ₂ O	265
Hydro fluorocarbons	HFCs	Depends on gas
Sulphur hexafluoride	SF ₆	23,500
Perfluorinated compounds	PFCs	Depends on gas

2.3 Emissions Scopes

Emission sources can be broken down into three distinct categories called Scopes.

2.3.1 Scope 1

Scope 1 accounts for the direct GHG emissions occurring from sources that are owned or controlled by the company, for example, emissions from combustion in owned or controlled boilers, furnaces, vehicles, etc.: emissions from chemical production in owned or controlled process equipment.

2.3.2 Scope 2

Scope 2 accounts for GHG emissions from the generation of purchased electricity, heat or steam consumed by the company. Purchased electricity, heat or steam is defined as electricity, heat or steam that is purchased or otherwise brought into the organizational boundary of the company. Scope 2 emissions physically occur at the facility where electricity, heat or steam is generated.

2.3.3 Scope 3

Scope 3 is an optional reporting category that allows for the treatment of all other indirect emissions. Scope 3 emissions are a consequence of the activities of the company but occur from sources not owned or controlled by the company. Some examples of Scope 3 activities are extraction and production of purchased materials, transportation of purchased fuels and use of sold products and services.

The GHG Protocol describes the quantification of Scope 1 and 2 as mandatory, whereas Scope 3 emissions are considered optional. Depending

on the nature/remit of an organisation, Scope 3 activities can contribute a significant proportion of overall emissions, and therefore to gain a proper understanding of an organisation's GHG emissions it is advisable to include all relevant sources.

3 Methodology

3.1 Emission Factors

The methodologies used to collect and assess the emissions data varied throughout the inventory. The primary methodology used was multiplying GHG activity data by appropriate GHG emission factors. All methodologies were selected based on their ability to provide accurate and consistent results. The use of activity data and emission factors was feasible due to the availability of both accurate activity data and emission factors from reputable organisations.

MyCarbon uses the latest figures from DEFRA and peer reviewed literature for all common emission factors listed in Table 2.

Table 2 | Emission factors used in this assessment

Category	Emission Factor	Reference
Electricity	0.20 kg CO ₂ e / kWh	(DEFRA, 2022)
Water supply	0.15 kg CO ₂ e / m ³	(DEFRA, 2022)
Paper	919.40 kg CO ₂ e / tonne	(DEFRA, 2022)
National rail	0.04 kg CO ₂ e / passenger.km	(DEFRA, 2022)
London underground	0.03 kg CO ₂ e / passenger.km	(DEFRA, 2022)
Small motorbike	0.08 kg CO ₂ e / km	(DEFRA, 2022)
Skoda Kodiaq	0.14 kg CO ₂ e / km	(VCA, 2022)
Porsche	0.29 kg CO ₂ e / km	(VCA, 2022)
VW Golf	0.13 kg CO ₂ e / km	(VCA, 2022)
Kia Eniro	0.00 kg CO ₂ e / km	(VCA, 2022)

3.2 Organisational Boundaries

The GHG Protocol Corporate Standard outlines two approaches for consolidating GHG data—the equity share approach and the control approach—through organizational boundaries. These are boundaries that determine the operations owned or controlled by the reporting company, depending on the consolidation approach taken. In some cases, it may be possible to apply these approaches directly to emissions/removals associated with sequestered atmospheric carbon.

The GHG inventory report covers all Scope 1, 2 and 3 emissions for Clipstone. Details of the site included within the organisational boundary of this report are detailed below:

45 Albemarle Street
London
W1S 4JL

Clipstone has compiled a GHG inventory report for the 2021 fiscal year to better understand their emissions and carbon footprint. The corporate organisational boundaries for the inventory were defined according to the requirements of **clause 4.1 of the ISO 14064-1 standard**. The control approach was used for the consolidation of corporate GHG emissions.

3.3 Identified Emissions and Exclusions

This report consists of partial Scope 3. The only emissions included in this report are:

Scope 1

- n/a

Scope 2

- Purchased electricity

Scope 3

- Purchased paper
- Water supply
- Business travel
- Employee commuting

Excluded Emissions

Emissions excluded within this report are:

- T&D electricity
- Capital goods
- Upstream & downstream transportation
- Waste generated
- Use of sold goods
- End of life treatment of sold products
- Processing of sold goods
- Upstream & downstream leased assets
- Franchises
- Investments



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Findings & Analysis

4 Scope 1, 2 & 3 Emissions

4.1. Scope 2

Table 3 | Scope 2 emissions

Emission Source	Consumption	Tonnes CO ₂ e
Purchased electricity: (kWh)	4,298.00	0.83
Communal electricity (kWh)	3,363.00	0.65
Total		1.48

4.2

Scope 3

Table 4 | Scope 3 emissions

Emission Source	Consumption	Tonnes CO ₂ e
Water supply (m ³)	38.00	0.01
Paper (kg)	74.00	0.07
Business travel (miles)	5,610.00	1.40
Employee commuting (km)	48,358.80	2.24
Total		3.72

The Scope 1, 2 & 3 GHG emissions for Clipstone for the 2021 fiscal year, equalled 5.20 tonnes CO₂e. With a 5% buffer added as industry standard, the **total footprint equals 5.46 tonnes CO₂e.**

4.3 Emissions by Source

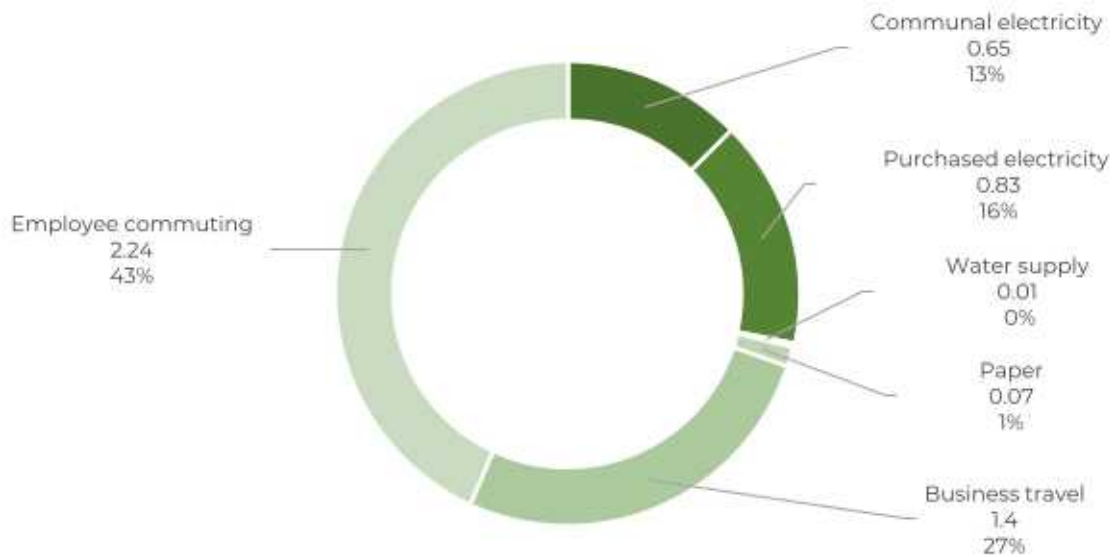


Figure 1 | % and tonnes CO₂e of emissions

Figure 1 is a pie chart of the sources of emissions produced by Clipstone. The sources of these emissions are listed from highest to lowest: Employee commuting (43%), business travel (27%), purchased electricity (16%), communal electricity (13%), paper (1%) and water supply (<1%).

5 Emissions Summary

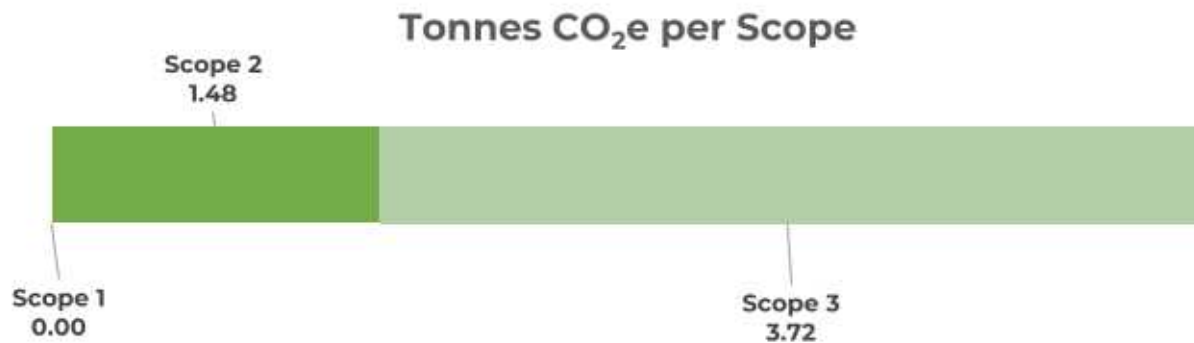


Figure 2 | Summary of Clipstone's reported emissions

The Scope 1, 2 & 3 GHG emissions for Clipstone for the 2021 fiscal year equalled 5.20 tonnes CO₂e. With a 5% buffer added as industry standard, the **total footprint equals 5.46 tonnes CO₂e.**

There were no Scope 1 emissions reported for Clipstone in the 2021 fiscal year.

Scope 2 emissions resulted in 28% of total emissions, 1.48 (1.55) tonnes CO₂e.

Scope 3 made up approximately 72% of total emissions from Clipstone, 3.72 (3.91) tonnes CO₂e.

Employee commuting resulted in the largest source of emissions within Scope 3, totalling 60% of total reported emissions (2.35 tonnes CO₂e with a 5% buffer added). Business travel was the next highest emissions, responsible for 38% of emissions within Scope 3 (1.47 tonnes CO₂e with a 5% buffer added). The remaining contributing sources to Scope 3 emissions were paper and water supply, resulting in <1 tonnes CO₂e respectively.

6 Hotspot Analysis

6.1 What Areas Produce the Most Emissions?

As described in Section 5, the areas that produced the highest emissions from Clipstone for the 2021 fiscal year were employee commuting and business travel. Listed below are some key recommendations that will enable Clipstone to engage in reduction measures and limit the emissions produced from these “hotspot” areas in the future.

As there are no manufacturing processes carried out by Clipstone, there will be limited fuel and electricity consumption. This means that Scope 1 and 2 emissions will be low with the Scope 3 category expectedly the highest.

When it comes to Clipstones operations, the footprint can be described as modest. However, by setting a positive example they can inspire others to take action.

MyCarbon commend the low carbon agenda currently employed by Clipstone. This is mostly due to the utilisation of public transport for commuting purposes. Using fuel-efficient vehicles like trains emit fewer emissions per passenger mile compared to private vehicles. This is the preferred method of transportation and as such, should be maintained as part of Clipstone’s low carbon agenda.

There are several additional ways Clipstone can reduce their emissions from employee commuting. For example, offering flexible work schedules allow employees to work flexible hours or compressed work weeks which helps to reduce the number of peak-hour commutes and associated emissions. Additionally, Clipstone can encourage the use of electric or low-emission vehicles by providing charging stations or financial incentives for employees who use them for commuting.

Due to the nature of Clipstones business, reductions in business travel may not be entirely feasible. However, where possible, MyCarbon encourage virtual meetings over in-person meetings. Meetings with colleagues and clients held online can significantly reduce the amount of travel required. A more immediate solution is to optimise travel routes. By carefully planning travel routes and consolidating trips, Clipstone can minimise the distance travelled and reduce emissions.

In order to conduct a full hotspot analysis, it is recommended that Clipstone quantify their full Scope 3 emissions. Undertaking these recommendations will provide a positive impact on the carbon footprint of Clipstone should they recalculate their emissions again in the future.

References

- [1] DEFRA, "Greenhouse gas reporting: conversion factors 2022," 2 June 2022. [Online]. Available: <https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2021> [Accessed 19 December 2022].
- [2] "Car Fuel Data, CO2 and vehicle tax tools," *Car fuel data, CO2 and vehicle tax tools*. [Online]. Available: <https://carfueldata.vehicle-certification-agency.gov.uk/> [Accessed 19 December 2022].

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Carbon Offsetting

Certificate of Offset Status

MyCarbon has analysed the scope and emissions to be offset which are displayed in the certificate table below.

Table 3 | Certification summary of offset status

Organisation:	Clipstone			
Certification of Offset Status:	Carbon Neutral			
Reporting Period:	July 2021 to June 2022			
Scope	Emission Source Category	Required or Recommended	Coverage	tCO ₂
1	Direct emissions from operations that are owned or controlled by the reporting company	•	•	0
	Direct emissions from owned, leased or directly controlled mobile sources	•	•	0
2	Indirect emissions from the generation of purchased electricity, heat, steam or cooling	•	•	1.48
3	Business Travel		•	1.40
	Transportation of good			
	Purchased goods & services		•	0.08
	Waste generated in operations			
	Leased assets & capital goods			
	Investments & franchises			
	Employee commuting & home working		•	2.24
Offset total (tCO₂e)				5