

# UNFCCC RACE TO ZERO

## PLEDGE & PLAN

FOR

**Country Boarding for Cats and Dogs**



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# Carbon Emissions Report

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## Carbon Emissions Report

### 1 RACE TO ZERO PLEDGE

#### Declaration of Participation – Community Member Company

Our company recognises the importance of making a full and lasting commitment to reducing the greenhouse gas emissions from our activities, in support of the wider commitment of the world to limit global temperature increases and the impact on the planet.

As a signatory member of the Network Net Zero Community we commit to the following:

1. For our company to achieve Net Zero in line with the Science Based targets set out by the UNFCCC i.e. to achieve Net Zero no later than 2050 and target a 50% reduction in emissions by 2030.
2. To set realistic short- and long-term targets that are designed to achieve our Net Zero commitments.
3. To report the total Greenhouse Gas emissions of our business regularly and for our performance to be part of the Community's annual reporting back to the UNFCCC.

We acknowledge that our commitment will be reported on the Network Net Zero website.

**Country Boardings Cats & Dogs** made its pledge to the Race to Zero via the Network Net Zero Community on 4 July 2022. The record of the pledge can be found at <https://www.futurenetzero.com/net-zero-international-race-to-zero/>

	Year	Potential Year (if ahead of target)
Pledge to be Net Zero	2050	2050
50% Emissions Reduction	2030	2030

# Carbon Emissions Report

## 2 Company Overview

**Country Boardings Cats & Dogs (Registered as Grove Mill Developments Ltd)** is a Limited Company registered in England & Wales, company number 04939298, with a head office address of 11 Trevor Road, Hitchin, Hertfordshire, SG4 9TA and a Business address of Country Boarding For Cats and Dogs, Gannock Lane, Baldock, Hertfordshire, SG7 6NL.

Year	January 2022 –December 2022
Industry	Dog & Cat Boarding
No. of Staff	14
No. of Offices – Owned	1
No. of Offices - Leased	0
No. of Company Vehicles - Owned	5
No. of Company Vehicles - Leased	0

**Country Boardings Cats & Dogs** is a boarding service for primarily Cats & Dogs in Baldock. We also offer additional services including day care, grooming, walking and training services.

## 3 Reporting Period

**January 2022 – December 2022**

## 4 Organisational Boundary

This report has been constructed using the

- Operational Control Approach

## 5 Operational Scopes

Scope 1 emissions are defined as the fuels that are burnt (gas, transport the company owns, refrigerant gasses). Scope 2 emissions are defined as the energy that is bought (electricity from the grid, purchased heat). Scope 3 emissions are defined as the emissions embedded in everything a company buys and emitted as a consequence of everything a company sells.

Emissions from Scope 1 & 2 have been measured along with certain Scope 3 emissions. The Scope 3 emissions that have been included are those that have been practical to measure with available data, which are as follows:

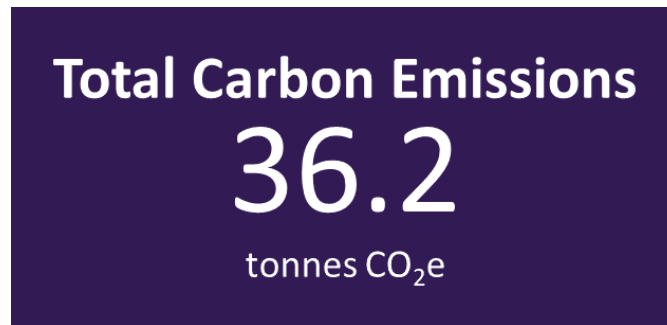
- Employee Commuting
- Business Travel
- Home working electricity
- Transmission & Distribution
- Organic Waste
- Household Waste
- Water Treatment
- Water Supply

## 6 Benchmark Year

The benchmark year used for comparisons is **January 2021 – December 2021**.

Country Boarding Cats & Dogs has collated 2 years of emissions data through our work with Net Zero International (NZI) and have reported our emissions for 2021 in section 11 (Emissions Data).

### 7 Carbon Emissions Overview – last 12 months

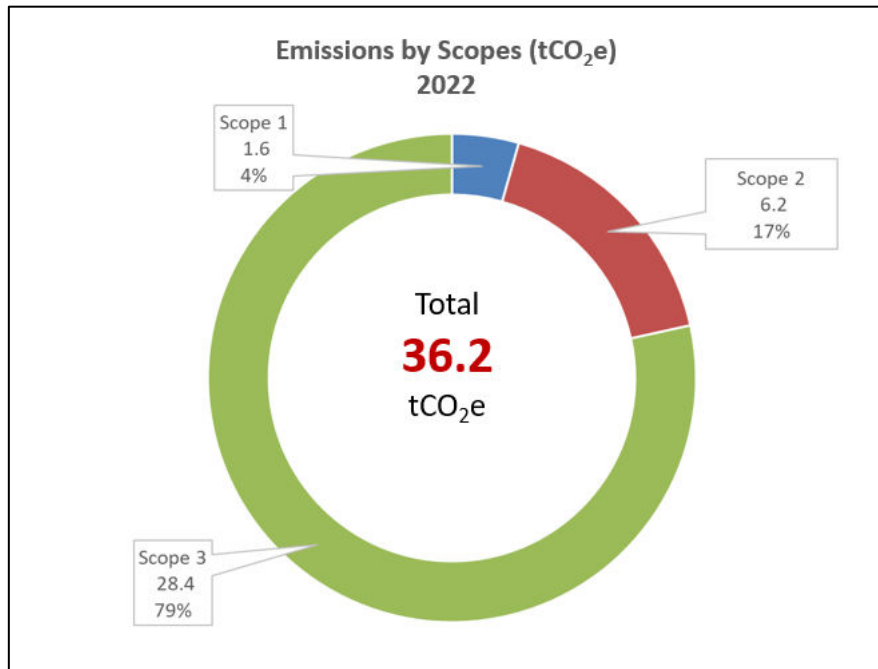


The total calculated emissions for the business in 2022 were 36.2 t CO<sub>2</sub>e. This is compared to 29.4 t CO<sub>2</sub>e in the previous year which represents an increase of 23.08%. The increase in carbon is due to normal business activities resuming after covid-19 with increased business travel and more pets being cared for. In 2021 we cared for 14,485 pets, in 2022 it was 23,150 an increase of 8,665 year on year.

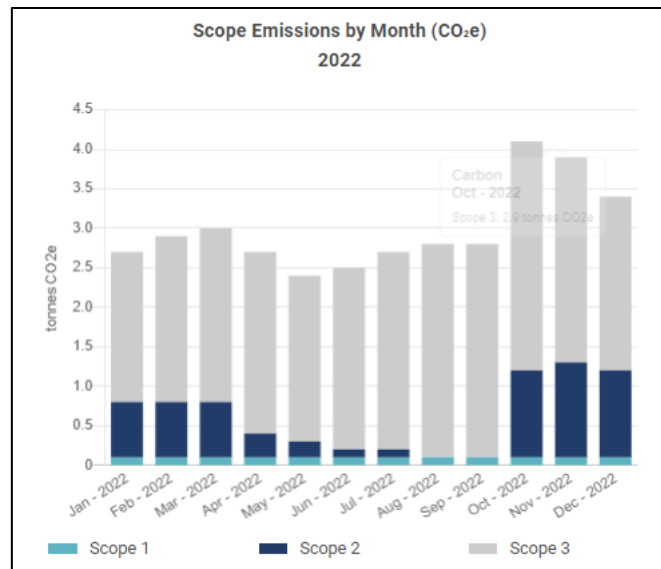
The business operates from one site. Business energy has been calculated using the data made available by the providers.

The Company continues to measure an increasing amount of Scope 3 emissions and is committed to improving their emissions across all scopes.

### 8 Analysis by Scope – Last 12 Months



## Carbon Emissions Report



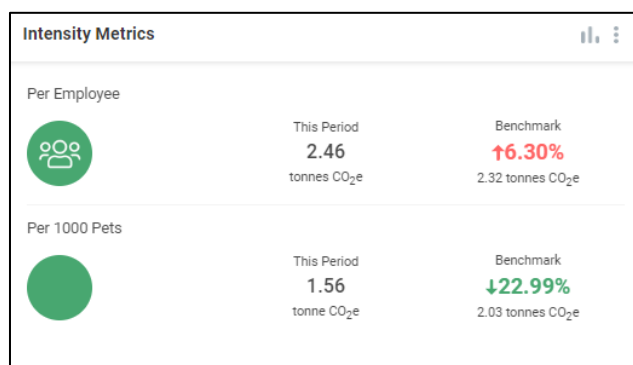
Scope 1 gas usage has been calculated using data provided by the providers. Gas is calculated at 1.6 t CO<sub>2</sub>e. This compares to 11.3 t CO<sub>2</sub>e in the benchmark year and represents a decrease of 9.1 t CO<sub>2</sub>e and is driven by less utilisation of gas from c. 300 litres per month to 117 litres per month.

Scope 2 electricity data has been calculated via the energy provider data, which has been available for the full year monthly. Electricity is calculated at 6.2 t CO<sub>2</sub>e. This is an increase of 0.2 t CO<sub>2</sub>e compared to the benchmark year and was expected due to the organisation returning to a usual business operations and levels after covid. The site is currently not on a renewable tariff.

Scope 3 business travel and hotel stays has have been calculated using mileage data from company vehicles and employee commuting was calculated based on information gathered from a staff survey. Transmission and distribution losses have been calculated using the electricity usage data. Waste disposal has been calculated using assumptions based on weight and type of waste collected weekly. Scope 3 total is calculated at 28.4 t CO<sub>2</sub>e this compares to 12.1 t CO<sub>2</sub>e in the benchmark year. This has been due to less water supply and treatment, reduced business and employee commuting compared to the benchmark year. Country Boardings Cats & Dogs will increase Scope 3 calculated emissions in 2023.

## Carbon Emissions Report

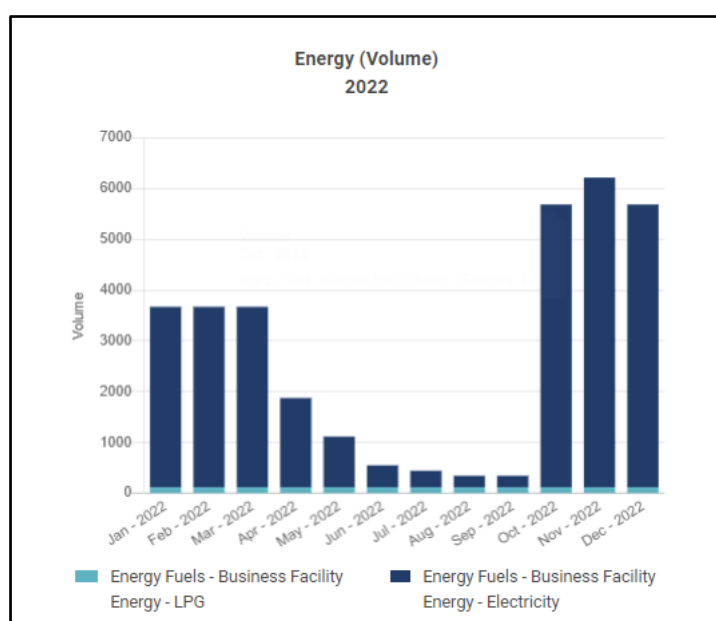
### 9 Intensity Metric Analysis January 2022 – December 2022



The intensity metrics used by Country Boarding for Cats & Dogs are 1) Per Employee (this is based on the average number of employees during the reporting period and 2) Per 1000 Pets cared for.

The emissions per employee have increased year on year at a lower rate than the overall organisational emissions (23.08%), indicating that the company is being more efficient with the carbon within its operation. This is borne out by a lower emissions per pet of 22.99% year on year. This demonstrates the increase in emissions is due to the increase in pets being cared for and the business operating in a more normal mode post COVID-19 restrictions. The number of pets cared for increased from 14,485 in 2021 to 23,150 in 2022.

### 10 Business Facility Energy



Office energy consumption was sourced by energy bills and verified by Net Zero International.

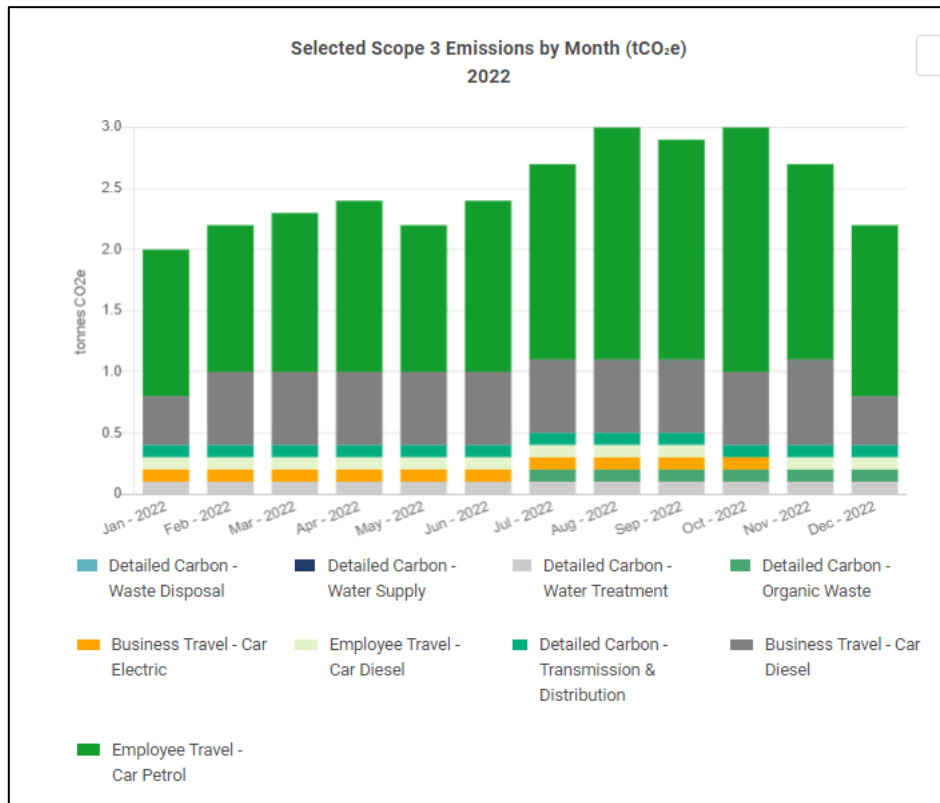
Our office in Baldock is not on a renewable tariff and the business will look to move to a new tariff which is renewable when practical to do so. The office has solar PV and battery storage, and this has a significant effect on electricity consumption in the summer months.

The calculated electricity emissions were 6.2 t CO<sub>2</sub>e, and calculated gas emissions were 1.6 t CO<sub>2</sub>e in 2021.

The total of 7.8 t CO<sub>2</sub>e accounted for approximately 22% of the total calculated emissions of 36.2 t CO<sub>2</sub>e.

## Carbon Emissions Report

### 11 Selected Scope 3 Emissions

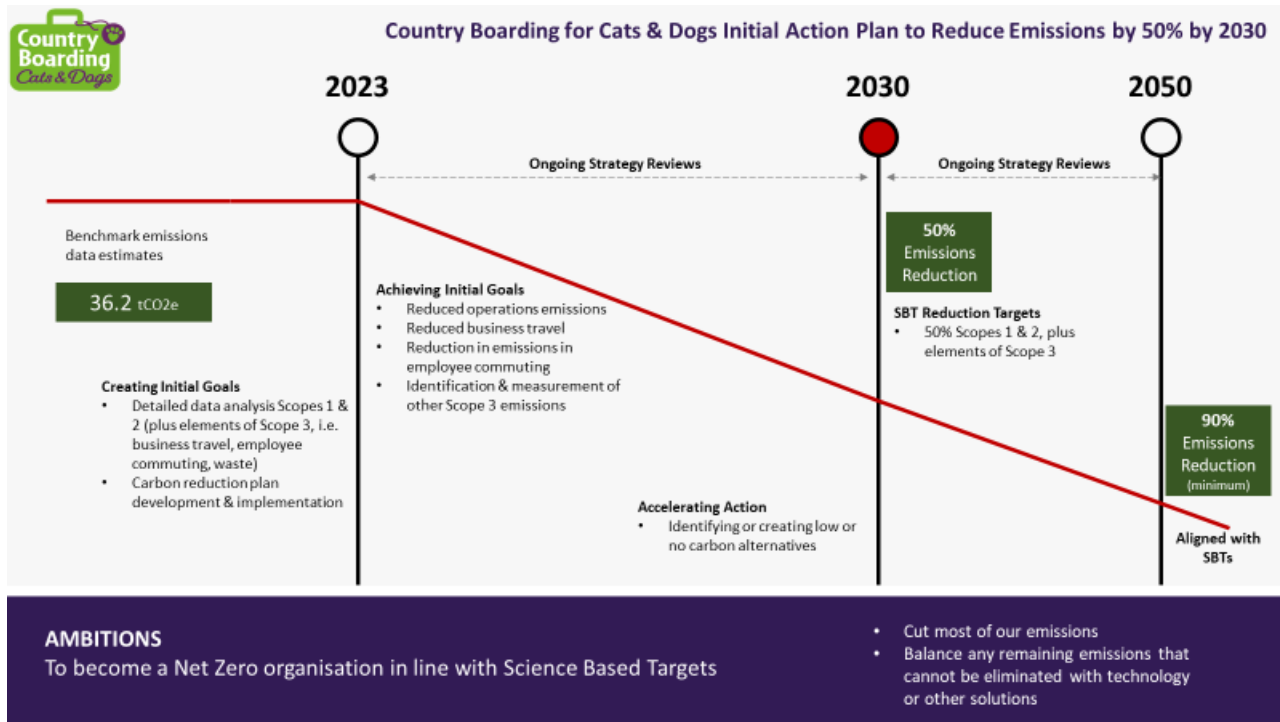


The graph above shows a selection of Scope 3 emissions including water supply, transmission & distribution and wastewater, waste, employee commuting and business travel.



## 12 Emission Reduction Targets

The following graph summarises the carbon emissions reduction targets.



### 13 Business Commentary

Country Boarding Cats & Dogs has used the data generated to identify the following aims for the next reporting year;

**1) Employee Engagement**

The aim of this initiative is to educate staff in quarterly sessions, educating staff explaining what Net Zero issues and how they can (staff) impact on our carbon emissions. By educating staff they will be more conscious about decisions that they make that can impact or reduce our carbon emissions.

**2) Sustainable Travel Policy**

Country Boarding Cats & Dogs would embed a sustainable travel policy in the next year. The aim of the policy is to encourage and educate staff to take lower carbon travel options such as car sharing. (Due to our rural location and unsuitable road connections, public transport, cycling, walking is not realistically feasible.) This initiative will be done in line with the Employee Engagement process listed above as by educating our employees this will help them be more conscious about commuting and travel.

**3) Sustainable Procurement Policy**

Country Boarding Cats & Dogs would furthermore embed and develop a sustainable procurement policy within the business to make sustainability a key consideration when purchasing key products and services. Country Boarding Cats & Dogs as well as evaluating price and quality from suppliers would look to understand their commitment to sustainability including asking for their carbon reduction plan and their targets during the contractual duration asking for reporting information on a quarterly basis. We will sign up for a 100% renewable gas contract to take effect January 2023. We will review our options with electricity tariffs (including renewable energy) when our current fixed term contract ends in September 2023.

**4) Electric Vehicles**

As our company vehicles need replacing, we will look to lease electric/hybrid vehicles as replacements where appropriate.

**5) Planting of Trees**

In 2017 we planted 1100 saplings on site with the support of The Woodland Trust. The Agreement has been embedded to this report below.



Woodland Trust  
Agreement.pdf

## Carbon Emissions Report

### 14 Emissions Data

The data contained in the table below represents total emissions calculated and is consistent with SECR requirements. All sources of emissions that have been measured are included in the totals below. Emissions from key activities are summarised in the previous sections.

	SECR Status	Current Reporting Year January 22 – December 22	Previous Reporting Year January 21 – December 21
Energy consumption used to calculate emissions / kWh Electricity Scope 2 (UK & Offshore)	Mandatory	31,859 kWh	39,480 kWh
Energy consumption used to calculate emissions / kWh (Global: excluding UK & Offshore)	Mandatory	N / A	N / A
Basis of Energy reporting (Location or Market)		Location	Location
% Of total energy sourced from certified renewable sources		0%	0%
Emissions associated with energy consumption (UK, Offshore & Global) t CO <sub>2</sub> e		6.2 t	6 t
Emissions from activities for which the company is responsible including combustion of fuel & operation of facilities ( <b>Scope 1</b> ) / t CO <sub>2</sub> e	Mandatory	1.6 t	11.3 t
Emissions from purchase of electricity, heat, steam and cooling purchased for own use ( <b>Scope 2</b> ) / t CO <sub>2</sub> e	Mandatory	6.2 t	6 t
<b>Total gross Scope 1 &amp; Scope 2 emissions / t CO<sub>2</sub>e</b>	<b>Mandatory</b>	<b>7.8 t</b>	<b>17.3 t</b>
<b>Intensity ratio: t CO<sub>2</sub>e per employee (Scope 1 &amp; 2)</b>	<b>Mandatory</b>	<b>0.56 t</b>	<b>0.75 t</b>
Emissions from upstream activities out of operational control ( <b>Scope 3</b> ) / t CO <sub>2</sub> e	Optional	27.9 t	12.1 t
Emissions from use of sold products and services out of operational control ( <b>Scope 3</b> ) / t CO <sub>2</sub> e	Optional	None included	None included
<b>Total Gross Scope 3 emissions / t CO<sub>2</sub>e</b>	<b>Optional</b>	<b>28.4 t</b>	<b>12.1 t</b>
<b>Total Gross Scope 1,2 (location, market) &amp; 3 emissions / tCO<sub>2</sub>e</b>	<b>Optional</b>	<b>36.2 t</b>	<b>29.4 t</b>
Intensity ratio t CO <sub>2</sub> e (gross Scope 1,2&3) / per staff member	Optional	2.5t	2.32 t
Intensity ratio t CO <sub>2</sub> e (gross Scope 1,2&3) / Total Pets	Optional	1.56 t	2.03 t
Carbon offsets t CO <sub>2</sub> e	Optional	0	0

## Carbon Emissions Report

### 15 Data Overview

Data Details		2022	2021		
Emission Type	Scope	Volume t CO <sub>2</sub> e	Volume t CO <sub>2</sub> e	Data Source (2021 -2022)	Data Confidence
<b>Energy</b>					
LPG Gas	1	1.6	4.3	Gas Bills	High
Electricity	2	6.2	6	Electricity Bills	High
<b>Business Travel</b>					
Owned Vehicles - Cars	3	6.6	6.5	Company Mileage Log	High
Owned Vehicles – Cars (Green)	3	1.4	0.6	Company Mileage Log	High
<b>Employee Commuting</b>					
Cars – Petrol	3	17.6	4.5	Staff Survey	Medium
Cars – Diesel	3	0.7	2	Staff Survey	Medium
Cars – Hybrid	3	-	1.4	Staff Survey	Medium
Cars – Electric	3	-	0.2	Staff Survey	Medium
<b>Other Emissions Calculated</b>					
Water Supply	3	0.1	0.9	Water Bills	High
Organic Waste	3	0.6	0.6	Bills	Medium
Water Treatment	3	0.5	1.6	Water Bills	High
Transmission & Distribution	3	0.9	0.8	Based on Electricity Bills	High
		<b>36.2</b>	<b>29.4</b>		

## 16 Standard and Methodology Used

Country Boarding for Cats & Dogs categorises its Greenhouse Gas (GHG) Emissions as Scope 1, 2 or 3 as referred to in the WBCSD – WRI Greenhouse Gas Protocol (revised edition, dated March 2014). Emissions in Carbon Dioxide equivalent (CO<sub>2</sub>e) for all scopes are calculated using the conversion factors listed in BEIS Greenhouse Gas Conversion Factors for the relevant 12-month period over which the Carbon Footprint is calculated. Procured renewable electricity and gas is calculated in accordance with the WBCSD – WSI Scope 2 Guidance on procured renewable energy (2015).

## 17 Data Quality / Confidence

The data used to generate this report has been collected from various sources from both within the company and using assumptions gathered by Net Zero International. These emissions have been converted to CO<sub>2</sub>e using the CBN Expert Dashboard. In all cases CBN Expert has used the Conversion Factors published by BEIS/Defra for the relevant period.

## 18 Scope 3 Emissions

Country Boarding for Cats & Dogs is committed to measure and act to reduce its emissions in all 3 Scopes. This report reflects the amount of Scope 1 and 2 emissions, plus the Scope 3 emissions that it has been feasible to calculate. Country Boarding for Cats & Dogs remains committed to work with its entire supply chain to ensure as much of its Scope 3 emissions can be accurately measured and to develop actions that target long term reductions in this emissions category.

## 19 Offsets

As part of the commitment of Country Boarding for Cats & Dogs to target reductions in its GHG emissions and, ultimately, attain Net Zero the company will review and report all offsetting that it enters. All offsetting options will be considered and reported included, formally certificated schemes (e.g., Gold Standard) as well as more informal schemes. Where offsetting is done against informal schemes, details of the calculation logic will be reported.

## 20 Third Party Verification

The data in this report has been produced using the CBN Expert dashboard and the figures have been certified under the future Net Zero Standard. The certification and licence number for the period for this report is shown here.

## 21 Offset schemes (if appropriate)

Scheme Name	Details (including weblinks)

Signed on behalf of Country Boarding for Cats & Dogs

Name: **Jeremy Burrowes**



Position: **Director**

Signed on behalf of Net Zero International

Name: **David Hawes**



Position: **Co-Founder**


### 22 Assessors Comments

future Net Zero has reviewed this report on 9<sup>th</sup> February 2023. The report has been reviewed again on 1<sup>st</sup> March 2023 following an audit call between future Net Zero and Net Zero International as part of the FNZ Standard verification process. The call is designed to gain insight into the data and methodology used to calculate the greenhouse gas emissions of the business activities being measured.

future Net Zero believe this report with a calculation of 36.2 t CO<sub>2</sub>e is a fair representation of the emissions from Country Boarding for Cats and Dogs. The report meets the requirements to achieve the FNZ Standard.

#### Assessor

Name: **Ellis Hall**



Position: **Head of Carbon**



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future Net Zero is an official UN Race To Zero Partner through Network Net Zero (<https://www.networknetzero.com>).

Race To Zero is a global campaign to rally leadership and support from businesses, cities, regions and investors for a healthy, resilient, zero carbon recovery that prevents future threats, creates decent jobs, and unlocks inclusive, sustainable growth.

The Race To Zero objective is to build momentum around the shift to a decarbonized economy, where governments must strengthen their contributions to the Paris Agreement (<https://unfccc.int/process-and-meetings/the-paris-agreement/the-paris-agreement>).

future Net Zero is part of Carbon AAA (<https://www.networknetzero.com/support>) and works in partnership with CBN Expert and Net Zero International.

The future Net Zero Standard (<https://www.futurenetzero.com/carbon-accreditation>) is an independent validation of an organisation's calculated carbon emissions and enables an organisation's stakeholders to understand how the carbon data was collected, the processes used, how the carbon calculations were undertaken and to ensure a valid representation of an organisation's carbon impact.

## Carbon Emissions Report

### 23 Glossary

<b>Benchmark Data</b>	The chosen 12-month period that sets the calculated emissions that need to be mitigated and/or offset.
<b>Carbon Reduction</b>	Reduction in measured CO <sub>2</sub> e emissions
<b>Carbon Reduction Plan</b>	Plan to reduce CO <sub>2</sub> e emissions over a period of time, updated annually
<b>Carbon Emissions (Gross)</b>	CO <sub>2</sub> e emissions from Company activities
<b>Carbon Emissions (Net)</b>	CO <sub>2</sub> e emissions from Company activities minus verified carbon offsets the Company purchases
<b>Carbon Neutral</b>	When emissions are fully offset including those emissions that could be mitigated.
<b>Carbon Offsets</b>	A removal or reduction of carbon emissions through a verified scheme.
<b>CO<sub>2</sub>e</b>	All greenhouse gases expressed in terms of Carbon Dioxide equivalent (CO <sub>2</sub> e) for consistency of reporting.
<b>GHG Protocol</b>	Greenhouse Gas Protocol <a href="https://ghgprotocol.org/">https://ghgprotocol.org/</a>
<b>Greenhouse Gases</b>	Carbon Dioxide (CO <sub>2</sub> ), Methane (CH <sub>4</sub> ), Nitrous Oxide (N <sub>2</sub> O), Chlorofluorocarbons (CFCs and HCFCs), Hydrofluorocarbons (HFCs), Perfluorocarbons (PFCs), Sulphur Hexafluoride (SF <sub>6</sub> )
<b>Greenhouse Gas Conversion Factors</b>	Annually published conversion factors normally published by relevant government departments. Converts activity into CO <sub>2</sub> e emissions.
<b>Greenhouse Gas Emissions (GHG)</b>	Gases in the atmosphere that absorb and radiate heat
<b>Intensity Metric/Ratio</b>	A metric that measures carbon emissions per relevant unit of activity in a business.
<b>Market Reporting v Location Reporting</b>	Market is based on specific tariffs. Location is based on the country from which you are reporting.
<b>Net Zero</b>	GHG emissions are mitigated and those that cannot are offset
<b>Renewable Tariff</b>	An energy tariff that is 100% powered by renewable energy and is certified.
<b>SBT</b>	Science Based Targets – reducing emissions by 50% by 2030 and by 90% by 2050 and offsetting the remaining amount.
<b>Scope 1</b>	The fuels that are burnt (gas, transport the company owns, refrigerant gasses)
<b>Scope 2</b>	The energy that is bought (electricity from the grid, purchased heat)
<b>Scope 3</b>	Emissions embedded in everything a company buys and emitted as a consequence of everything a company sells.
<b>SECR</b>	Streamlined Energy & Carbon Reporting
<b>tCO<sub>2</sub>e</b>	Metric tonnes of CO <sub>2</sub> equivalent emitted.
<b>UNFCCC</b>	United Nations Framework Convention on Climate Change
<b>UN Race To Zero</b>	United Nations campaign mobilising organisations to commit to reaching Net Zero no later than 2050.
<b>WBCSD</b>	World Business Council for Sustainable Development <a href="https://www.wbcsd.org/">https://www.wbcsd.org/</a>
<b>WRI</b>	World Resource Institute <a href="https://www.wri.org/">https://www.wri.org/</a>