



# CARBON REDUCTION PLAN

FOR



Prepared by:



# Plane Talking Products Carbon Emissions Report

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# Plane Talking Products Carbon Emissions Report

## 1 Net Zero Commitment

Plane Talking Products 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.

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, at a minimum, on an annual basis.

	Year	Earlier Year if Possible
<b>Commitment to be Net Zero</b>	2050	2045*
<b>50% Emissions Reduction</b>	2030	2030

\*In line with Scotland's Net Zero strategy

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## 2 Background Information

### 2.1 Company

**Plane Talking Products** is a Limited Company registered in England and Wales, company number 06526398, with a registered office address of Unit 17 Vicarage Farm Business Park, Winchester Road, Fair Oak, Eastleigh, Hampshire, SO50 7HD.

**Plane Talking Products (PTP)** is a supplier of inflight products to the global aviation sector and PTP Healthcare Limited is the wholly owned subsidiary that supplies patient care and comfort products to the Healthcare sector.

With over 35 years' experience, they have been supplying a wide range of textiles, meal service equipment, amenities, and crew items to airlines all over the world and patient hygiene, dental and textile products to the UK NHS.

PTP offers a 'one stop shop' in terms of creating products from design to delivery. Their product range is unique and often completely bespoke - enabling them to offer products that answer specific briefs, solve operational problems or foster a particular experience. Sustainability is at the forefront of what they do and they are committed to supporting industry in their drive to achieve Net Zero targets both through their own Net Zero journey, wider industry sustainable initiatives and creating more sustainable products. PTP is ISO9001 and ISO14001 accredited.

<b>Reporting Period</b>	<b>Previous Period</b> September 2022 – August 2023	<b>Current Period</b> September 2023 – August 2024
<b>Industry</b>	<b>Aviation and Healthcare</b>	<b>Aviation and Healthcare</b>
<b>No. of Staff</b>	7	10
<b>No. of Premises Owned</b>	0	0
<b>No. of Premises Leased</b>	1	1
<b>No. of Company Vehicles - Owned</b>	0	0
<b>No. of Company Vehicles - Leased</b>	0	0

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## 2.2 Current Reporting Period

September 2023 – August 2024

## 2.3 Organisational Boundary

There are 3 different approaches to measuring emissions, as defined by the GHG Protocol. This report has been constructed using the **Operational Control Approach**, considering the requirements of each potential approach.

Approach	Description	Approach Taken
<b>Operational Control</b>	The organisation has operational control over an operation if it or one of its subsidiaries has the full authority to introduce and implement its operating policies at the operation.	✓
<b>Financial Control</b>	The organisation has financial control over the operation if it has the ability to direct the financial and operating policies of the organisation with a view to gaining economic benefits from its activities.	
<b>Equity Share</b>	The organisation accounts for GHG emissions from operations according to its share of equity in the operation.	

## 2.4 Benchmark Year

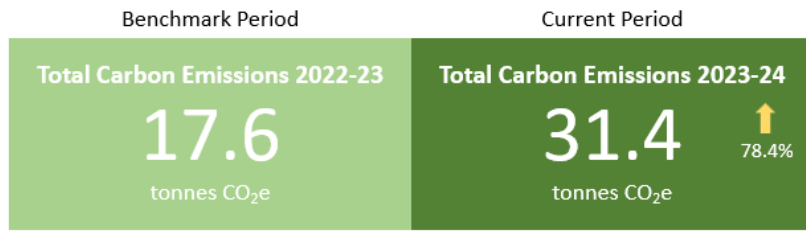
The organisation's benchmark year is from **September 2022 – August 2023**. This is the second time the organisation has measured and reported on its carbon emissions.

## 2.5 Methodologies Used

Throughout this report all methodologies used are explained within the relevant sections.

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## 3 Carbon Emissions Overview

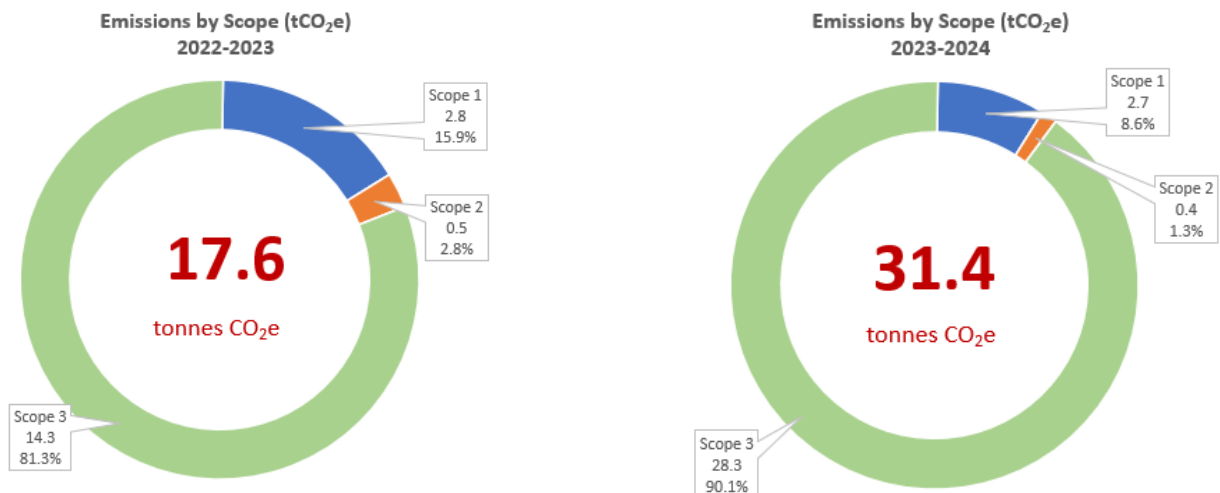


The total calculated emissions for the business for the period 2023-2024 are 31.4 tCO<sub>2</sub>e, an increase of 78.4% from the benchmark year.

The increase has been due to more flights as we expand our customer base and work to reduce emissions across our product range.

The Company will aim to measure an increasing amount of Scope 3 emissions and is committed to reducing their emissions across all scopes.

## 4 Analysis by Scope

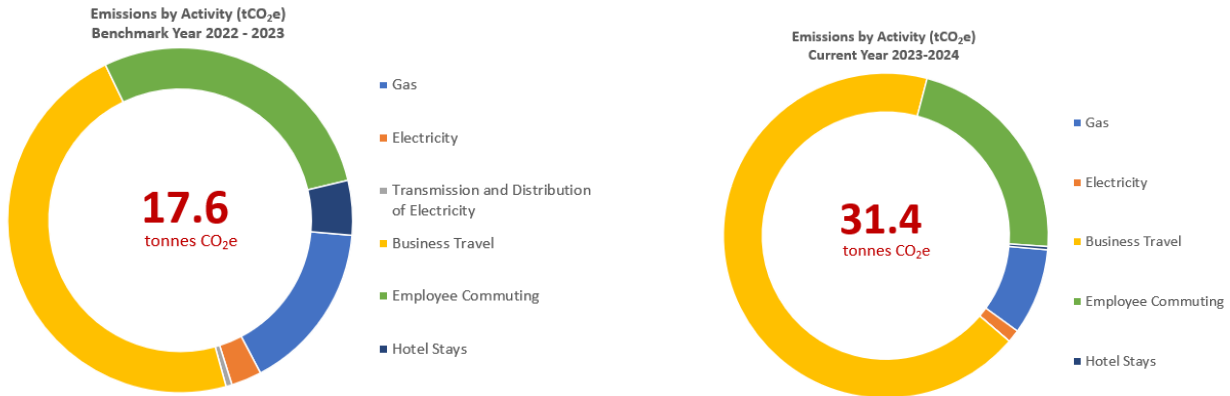


Scope	Description	tCO <sub>2</sub> e	%
<b>Scope 1</b>	Scope 1 emissions includes fuels used in the company office. The company does not own or lease any vehicles.	2.7	8.6%
<b>Scope 2</b>	Emissions in scope 2 includes electricity used at the company's office. The office is not on a renewable tariff.	0.4	1.3%
<b>Scope 3</b>	Scope 3 emissions include: <ul style="list-style-type: none"> <li>• Business Travel</li> <li>• Employee Commuting</li> <li>• Hotel Stays</li> <li>• Transmission and Distribution of Electricity</li> </ul>	28.3	90.1%
<b>TOTAL</b>		<b>31.4</b>	<b>100%</b>

Reported Scope 3 emissions may increase in future years as more detailed data and information becomes available.

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## 5 Emissions by Activity






Data Details		2022-2023	2023-2034		
Emission Type	Scope	t CO <sub>2</sub> e	t CO <sub>2</sub> e	Data Source	Data Confidence
<b>Energy</b>					
Gas	1	2.8	2.7	Gas Bills	High
Electricity	2	0.5	0.4	Electricity Bills	High
Transmission and Distribution of Electricity	3	0.1	0.0	EEIO Spend Analysis	Medium
		<b>3.4</b>	<b>3.1</b>		
<b>Business Travel</b>					
Car - Diesel	3	0.0	0.3	Mileage data	High
Car - Hybrid	3	0.1	0.0	Mileage data	
Car - Petrol	3	1.0	0.7	Mileage data	High
Plane	3	7.2	19.5	Mileage data	
Rail	3	0.0	0.1	Mileage data	
Taxis	3	0.0	0.7	Mileage data	High
		<b>8.3</b>	<b>21.3</b>		
<b>Employee Commuting</b>					
Car - Diesel	3	0.5	2.9	Mileage data	High
Car - Petrol	3	4.5	4.0	Mileage data	High
		<b>5.0</b>	<b>6.9</b>		
<b>Other Emissions Calculated</b>					
Hotel Stays - Morocco	3	0.1	0.0	Travel Data	High
Hotel Stays - Hamburg	3	0.2	0.0	Travel Data	High
Hotel Stays - Chester	3	0.0	0.1	Travel Data	High
Hotel Stays - Saudi Arabia	3	0.6	0.0	Travel Data	High
		<b>0.9</b>	<b>0.1</b>		
<b>TOTAL</b>		<b>17.6</b>	<b>31.4</b>		

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## 6 Intensity Metric Analysis

Intensity metrics help normalise emissions data, taking into account variations in production levels or activity volumes. This allows for a more accurate assessment of emission trends over time, regardless of changes in business operations. The initial intensity metrics for the company are below and will be used for comparative purposes in following years.

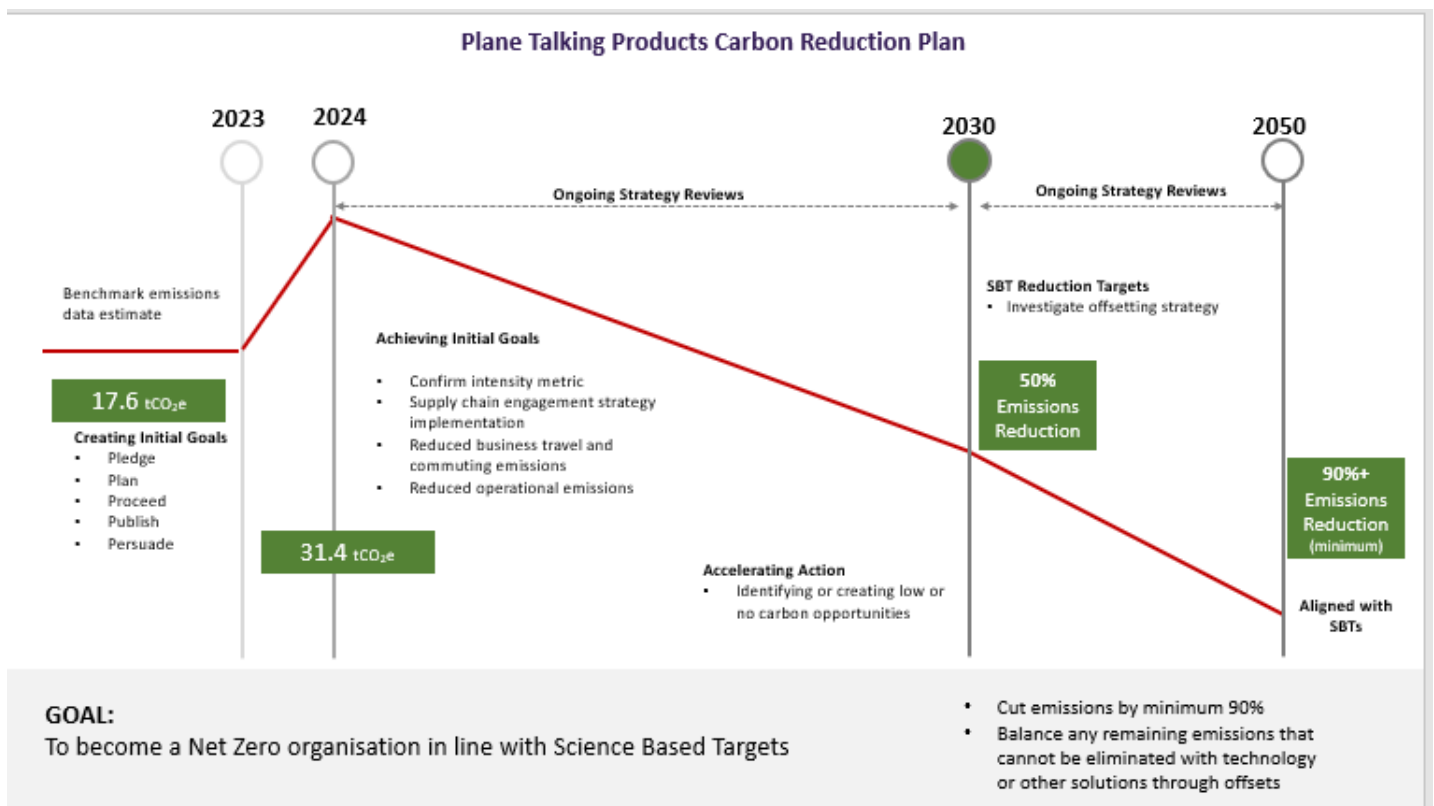
Intensity Metrics (tCO<sub>2</sub>e)

	2022-23	2023-24	Increase
 Per Employee	Scopes 1, 2 & 3 2.4	3.4	40.1%
 Per £m Turnover	Scopes 1, 2 & 3 2.5	3.5	40.6%
 Per m <sup>2</sup> Office Space	Scopes 1, 2 & 3 0.16	0.28	78.7%

The chosen intensity metrics shows a carbon emissions value of 3.4 tCO<sub>2</sub>e per employee, which was an increase of 40.1% from the benchmark year. The business headcount averaged 9 people during the current year and exited the reporting period with 10 employees. This is significantly less than the 78.4% increase in overall emissions and reflects the growth plans of the business.

## 7 Emissions Reductions Targets

The following graph summarises the carbon emissions reduction targets.





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### 8 Carbon Reduction Actions

Plane Talking Products will develop the following initiatives that will support the company's strategies to meet Science Based Targets:

Area of Focus	Initiative
<b>Net Zero Nation Accelerator</b>	<ul style="list-style-type: none"> <li>• Plane Talking have joined the Net Zero Nation Accelerator on a 12-month program to measure, manage and reduce business emissions in collaboration with other organisations and as part of a wider business initiative.</li> </ul>
<b>Supply Chain</b>	<ul style="list-style-type: none"> <li>• To conduct sustainability audits to ensure key suppliers are actively measuring and reporting their scope emissions</li> <li>• Publish our sustainability roadmaps to provide clear direction for reducing environmental impact.</li> <li>• Collaborate with suppliers to implement targeted carbon reduction strategies in line with the SBTi</li> <li>• Engage with suppliers to assess their current carbon tracking practices, ensuring they are progressing in their sustainability efforts and providing accurate emissions data.</li> <li>• Explore lower-carbon freight solutions and sustainable manufacturing facilities to reduce our overall carbon footprint</li> <li>• Continuously seek and develop innovative, lower-carbon options across all product lines.</li> <li>• Conduct life cycle assessments on or products to understand their environmental footprint and identify areas for improvement</li> <li>• Work with clients to assess specific supply chains and offer advice and recommendations for carbon reduction / more sustainable alternatives.</li> </ul>
<b>Business Travel</b>	<ul style="list-style-type: none"> <li>• To investigate the option of a salary, sacrifice for staff to switch to electric vehicles</li> <li>• To reduce travel where possible and switch to online meetings and promote car share</li> <li>• Introduce a policy to use public transport for UK meetings when practical</li> </ul>
<b>Aviation Sustainability Forum</b>	<ul style="list-style-type: none"> <li>• Alison is a founder (and Plane Talking Products is a member) of the Aviation Sustainability Forum which has been established to help the inflight sector reduce waste sent to incineration and landfill and improve circularity.</li> <li>• In 2024 the ASF has launched its Cabin Waste Composition Audit program (CWCA) which has been endorsed by IATA and is helping the sector understand the size, scale and composition of its waste.</li> <li>• This is helping airlines baseline their waste data and supports their regulatory reporting as well as enabling them to track the impact of sustainability initiatives.</li> <li>• The aggregated data is helping IATA's work to harmonise global regulation to improve waste outcomes.</li> </ul>
<b>Data Quality</b>	<ul style="list-style-type: none"> <li>• Expand the collection and accuracy of scope 3 emissions data by working closely with suppliers to ensure reporting across all relevant categories.</li> </ul>

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	<ul style="list-style-type: none"> <li>• Provide resources for key suppliers to help them understand best practices for tracking and reporting their emissions data.</li> <li>• Create a more transparent data reporting framework that will be shared publicly on our website allowing clients and key stakeholders to easily access our emissions data and track our progress towards sustainability goals.</li> <li>• Perform comprehensive life cycle assessment on our products to gather precise data, ensuring a more accurate assessment of emissions and resource use.</li> </ul>
<b>Sustainability Strategy</b>	<ul style="list-style-type: none"> <li>• Recruited two sustainability analysts to enhance our capacity for data analysis, reporting and strategy development.</li> <li>• Create a sustainability impact report that outlines our long-term goals, key performance indicators and action plans for achieving our sustainability objectives</li> <li>• Define specific, measurable targets for reducing emissions and improving resources efficiency across operations, supply chains and products</li> <li>• Develop a comprehensive criteria-based scoring system to assess and rate suppliers on their sustainability efforts.</li> <li>• Work closely with suppliers to align their practices with our sustainability roadmap, offering guidance and resources to help them progress in sustainable operations.</li> <li>• Prioritize supportive engagement and education for suppliers, helping them understand best practices and innovate in line with our sustainability objectives.</li> </ul>
<b>Energy Review</b>	<ul style="list-style-type: none"> <li>• Switched to a renewable tariff in 2024.</li> </ul>

**Signed on behalf of Plane Talking Products**

Name: **Alison Wells**



Position: **Director**

Date: **15<sup>th</sup> November 2024**

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### 9 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.

	Benchmark Reporting Year <b>Sep 22 – Aug 23</b>	Current Reporting Year <b>Sep 23 – Aug 24</b>
Energy consumption used to calculate emissions Electricity Scope 2 - UK and Offshore (kWh)	2,245	2,547
Energy consumption used to calculate emissions – Global, excluding UK and Offshore (kWh)	N/A	N/A
Basis of Energy reporting (Location or Market)*	Location	Market
% of total energy sourced from certified renewable sources	0%	25.1%
Emissions associated with energy consumption - UK, Offshore and Global (tCO <sub>2</sub> e)	0.5	0.4
Emissions from activities for which the company is responsible including combustion of fuel and operation of facilities - <b>Scope 1</b> (tCO <sub>2</sub> e)	2.8	2.7
Emissions from purchase of electricity, heat, steam and cooling purchased for own use - <b>Scope 2</b> (tCO <sub>2</sub> e)	0.5	0.4
<b>Total Scope 1 and 2 Emissions (tCO<sub>2</sub>e)</b>	<b>3.3</b>	<b>3.1</b>
Emissions from upstream activities out of operational control - Scope 3 (tCO <sub>2</sub> e)	14.3	28.3
Emissions from use of sold products and services out of operational control - <b>Scope 3</b> (tCO <sub>2</sub> e)	None included	None included
<b>Total Gross Scope 3 Emissions (tCO<sub>2</sub>e)</b>	<b>14.3</b>	<b>28.3</b>
<b>Total Scope 1, 2 and 3 Emissions (tCO<sub>2</sub>e)</b>	<b>17.6</b>	<b>31.4</b>
Intensity ratio tCO <sub>2</sub> e (gross Scope 1, 2 and 3) per employee	2.4	3.3
Carbon offsets (tCO <sub>2</sub> e)	<b>0.0</b>	<b>0.0</b>
<b>Total Annual Net Emissions (tCO<sub>2</sub>e)</b>	<b>17.6</b>	<b>31.4</b>

\* A location-based method reflects the average emissions intensity of grids on which energy consumption occurs (using mostly grid-average emission factor data). A market-based method reflects emissions from electricity that companies have purposefully chosen. Using the location-based method carbon emissions would be 0.5 tCO<sub>2</sub>e

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### 10 Standard and Methodology Used

Plane Talking Products 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 DESNZ Greenhouse Gas Conversion Factors for the relevant 12-month period over which the carbon emissions are calculated. Procured renewable electricity and gas is calculated in accordance with the WBCSD – WSI Scope 2 Guidance on procured renewable energy (2015).

### 11 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 GHG Protocol and DESNZ frameworks and conversion factors for the relevant period.

### 12 Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with SECR, PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard and uses 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.

This Carbon Reduction Plan has been reviewed and agreed by the board of directors (or equivalent management body).

#### Signed on behalf of Net Zero International

Name: **David Hawes**



Position: **Chief Executive Officer**

Date: **15<sup>th</sup> November 2024**

**Plane Talking Products  
Carbon Emissions Report**

**13 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>DESNZ</b>	Department of Energy Security and Net Zero ( <a href="https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting">https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting</a> )
<b>EEIO</b>	Environmentally Extended Input Output – Emissions estimated on spend <a href="https://ghgprotocol.org/">https://ghgprotocol.org/</a>
<b>Organisational Boundaries</b>	GHG Protocol Organisational Boundaries <a href="https://ghgprotocol.org/sites/default/files/standards/ghg-protocol-revised.pdf">https://ghgprotocol.org/sites/default/files/standards/ghg-protocol-revised.pdf</a>
<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 gases)
<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 and Carbon Reporting
<b>tCO<sub>2</sub>e</b>	Metric tonnes of CO <sub>2</sub> equivalent emitted.
<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>