Carbon Footprint Analysis

prepared for

John Farrington & Co Ltd

Reporting Year End
31 May 2025

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Dear John Farrington & Co Ltd Team,

Thank you for choosing Positive Planet to help measure your business carbon footprint

We have enjoyed working with you, learning about your business, and understanding your needs and current impact on the environment.

We are on a mission to help as many businesses as possible to measure and understand their carbon emissions.

Our goal is to enable you to take action to protect the planet and inspire others to do the same.

Carbon reduction is a long-term journey but should be made simple, accessible, and even fun; our aim is to empower, not overwhelm. Now that you have measured your emissions, we encourage you to join the 300+ Positive Planet community working to reduce emissions to Net Zero and beyond.

"It has never been more important for businesses to take actions to reduce their environmental impact associated with their operations. By starting this journey you can build positive impact into your business model whilst inspiring and influencing employees, suppliers, customers, and stakeholders.

During 2020 14% of the overall UK emissions came from businesses of all sizes, but we know that only 1 in 10 businesses are committing to measuring, understanding and reducing their emissions - thank you for being one of them!

Committing to measuring your emissions and understanding your carbon footprint is the most important step in your carbon reduction journey and we look forward to continuing to work with you."

Bryony Salter | Head of Sustainability,

Report Contents

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Calculating your carbon footprint

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In this carbon footprint analysis, John Farrington & Co Ltd's annual carbon footprint is calculated in tonnes of carbon dioxide equivalent (tCO_2e).

This measurement accounts for the emission of all 7 greenhouse gases noted in the UNFCC Kyoto Protocol along with their relative global warming potential values (GWP), as recommended by The Greenhouse Gas Protocol and the UK Government Public Procurement Notice 006.

To calculate your carbon footprint, Positive Planet measures emissions of the following gases:

Carbon Dioxide	Methane	Nitrous Oxide	F-Gases
CO_2	CH_4	N_2O	HFCs PFCs SF_6 NF_3

The GWP accounts for the variable potency and atmospheric lifetime of each GHG emitted, and converts this to the equivalent amount of carbon dioxide over a 100-year period.

Methodology

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Positive Planet's GHG emissions reports are carried out in accordance with the GHG Emissions Protocol Accounting and Reporting Standard. Using the most widely recognised and used emission standard in the world ensures all measurements, calculations, and estimations are completed to the most regulated and accurate standards possible. Positive Planet was supplied information by the client covering each of the emission sources included in the inventory for all sites (where usage occurred), and the greenhouse gas (CO_2e) emissions were calculated based on relevant emission factors. The provided data has been subject to high level review, but not verification to source. The comprehensive Carbon Footprint Analysis we have provided will enable John Farrington & Co Ltd to confidently report and publish its carbon emissions. Figures and tables are included throughout this document, which provides opportunity to share your carbon reduction progress with interested parties.

Carbon Accounting Methodology and Emission Factors Disclaimer:

Carbon accounting guidance and emission factors provided by external bodies such as DEFRA and the GHG Protocol may be subject to change periodically due to improvements in data quality, calculation methods, and industry best practices. As these updates are outside our control, we may need to remeasure and restate emissions occasionally for previous years to ensure comparability and alignment with current standards, maintaining the accuracy of emissions data and the integrity of Net Zero targets. When changes occur, our approach will be to remeasure the previous year's measurement year and base year, alongside the most recent measurement. If this is not possible, a statement explaining changes and lack of comparability will be added to reports.

This Carbon Footprint Analysis forms part of John Farrington & Co Ltd's ongoing commitment to measure and reduce its business carbon footprint. In this document, the measured emissions from the current reporting period (Year Ending 31 May 2025) are given for each relevant reporting category, where included in the measurement type. This analysis exceeds the standard required by the HM Public Procurement Notice (006) and asserts your organisation's commitment to supporting a sustainable future.

Methodology - Emissions Factors

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Emission Factors and Methodology

- Consumption-based Factors: UK Government (BEIS / DEFRA) GHG Conversion Factors for Company Reporting
- Spend-based Factors: UK Government Conversion factors by SIC code 2020 (with inflation adjustment to the reporting year)
- Electricity (market-based): Emissions have been calculated as zero (scope 2) where renewable electricity has been purchased. Scope 3 transmission and distribution of electricity will still be included.
- Well-to-tank and transmission and distribution loss emissions are included for direct and upstream indirect energy consumption.
- Radiative forcing (RF) has been included in air travel calculations.

Assumptions and Exclusions

- Purchased goods and services and capital goods emissions have been estimated using spend-based factors. This means that the results are based on industry averages per £ spent and not specific supplier/product/mode data.
- Where spend has been used to calculate emissions related to purchased goods and services, the emissions from the transportation of goods from the supplier to the reporting organisation have not been reported separately.

Data Quality

Positive Planet uses a data quality rating based on the accuracy of the data supplied by the client. The rating system works on a three-tiered traffic light system with green representing good quality data, yellow representing average quality data and orange representing poor quality data. The quality of your data is very important, as you cannot understand and manage what you cannot properly measure. Higher quality data provides a more accurate carbon footprint and so we encourage all our clients to improve their data quality year-on-year.

The below table shows the data quality rating. Ideas for improving data quality for each category will be discussed during your carbon management meeting.

High data quality

Primary data sources have been used. Data completeness and accuracy is high. Most often consumption-based data, for example kWh electricity used.

Medium data quality

Mixed primary and secondary data sources. Limited extrapolation with average completeness and accuracy.

Low data quality

High levels of estimation and benchmarking. Poor completeness and accuracy. Often means that the client has provided spend data instead of consumption data, for example £s spent on electricity instead of kWh used.

Emissions Scopes: Explained

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Using the information you provided in line with our outlined Methodology, we have calculated the annual carbon emissions of John Farrington & Co Ltd. Your business emissions are described and measured in three different Scopes: 1, 2, & 3. We have broken down the differences between each Scope for you below:

Scope 1

Direct Emissions

Your direct emissions come from things such as your company vehicles, buildings, and facilities.

Scope 2

Indirect Emissions

Your indirect emissions consist of your purchased electricity (and steam, heating, and cooling) for business use.

Scope 3

Upstream & Downstream Emissions

Upstream activities include commuting, business travel, transportation from suppliers, and purchased goods & services. Downstream activities include deliveries to customers, plus the use and disposal of your products.

It is important to know, and report on, your emissions using the above Scopes. However, sharing the data with your team is often more effective when it is linked with activities they can relate to, such as commuting or energy consumption.

Your Carbon Footprint

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The top-level analysis below demonstrates which activities contribute to your Scope 1, 2, & 3 business emissions. Also included is an overview of your emissions by Scope, along with your calculated annual carbon footprint.

Throughout this analysis, all measurements are given in tonnes of carbon dioxide equivalent (tCO_2e).

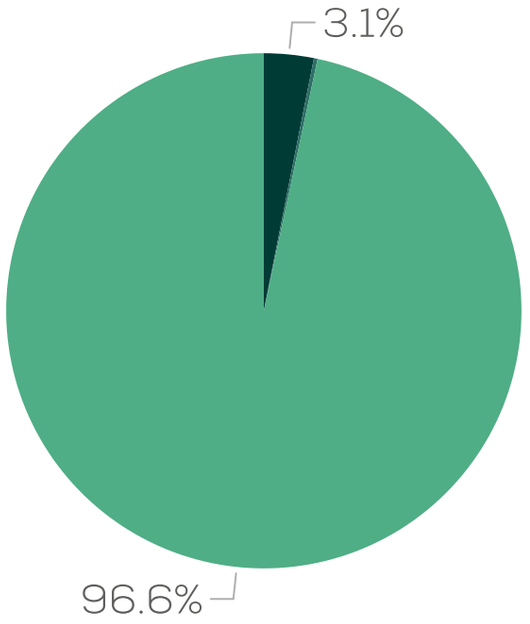
Scope 1	Scope 2	Scope 3
25.0	1.9	774.0

Total Emissions

800.9

Your Carbon Footprint

Included below is a pie chart which demonstrates the relative contribution (%) of each Scope towards your total carbon footprint.



Scope 1: 3.1%

Scope 2: 0.2%

Scope 3: 96.6%

Throughout this analysis, each Scope of John Farrington & Co Ltd's carbon footprint will be further broken down into its contributing aspects. This will enable you to understand your carbon footprint and effectively target your emission reductions.

Your Carbon Footprint in Context

The concept of a carbon footprint and its contributing emissions can feel abstract, and is often difficult to visualise. To better contextualise John Farrington & Co Ltd's annual footprint, there are some real-world reference points below:

John Farrington & Co Ltd emitting
800.9 tCO_2e
is the equivalent of:

Driving 435 diesel cars
20 miles per day
for 1 year.

OR

filling the volume of
204 hot air balloons
with carbon dioxide.

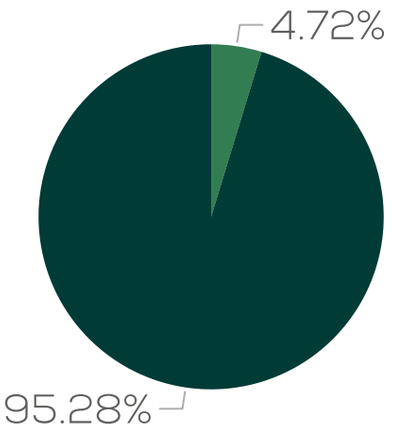
When John Farrington & Co Ltd reaches net zero emissions, it will have as high an impact as permanently removing 435 diesel cars from UK roads - preventing 445441 m^3 of carbon dioxide from being released every year.

Scope One Emissions

Scope 1 includes emissions that occur as a direct result of your operations. This includes fuel combustion, chemical processes or gas leakages that occur in buildings, vehicles or machinery owned or controlled by your business.

Scope 1 total emissions: 25.0 tCO_2e

Contribution to overall footprint: 3.1%



Scope 1
activities breakdown

On-Site Fuel Combustion: 1.2 tCO_2e

Leaked Emissions: 0.0 tCO_2e

Industrial Process Emissions: 0.0 tCO_2e

Company Vehicles: 23.8 tCO_2e

Scope Two Emissions

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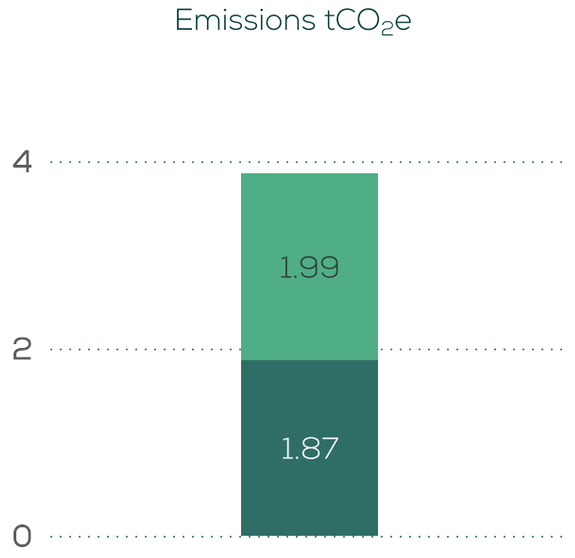
Scope 2 emissions occur offsite during the generation of energy used by your organisation. This includes the generation of electricity, heat, steam or cooling that has been purchased by your organisation.

Purchased electricity: 1.87 tCO_2e
Steam, Heat, and Cooling: 0.0 tCO_2e

Scope 2 total emissions: 1.87 tCO_2e
Contribution to overall footprint: 0.2%



Purchased Electricity footprint breakdown

Your total carbon footprint from purchased electricity was 1.87 tCO_2e.

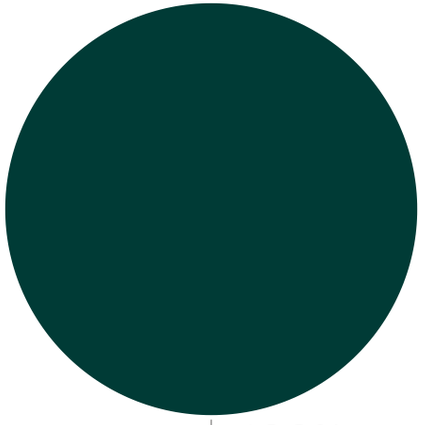
Renewable energy accounted for 52% of your electricity consumption.
This reduced your footprint by 1.99 tCO_2e.

Scope Three Emissions

A range of activities are reported within every company's Scope 3 footprint. Each of these activities are noted below, separated into Upstream and Downstream emissions. Often, Scope 3 emissions comprise the largest part of an organisation's carbon footprint. It is therefore imperative that these activities are measured, and their negative impact reduced.

Scope 3 total emissions: 774.0 tCO_2e

Contribution to overall footprint: 96.6%



Contribution to Scope 3 Total

Upstream Emissions: 100%

Downstream Emissions: 0%

Scope Three Emissions: Upstream

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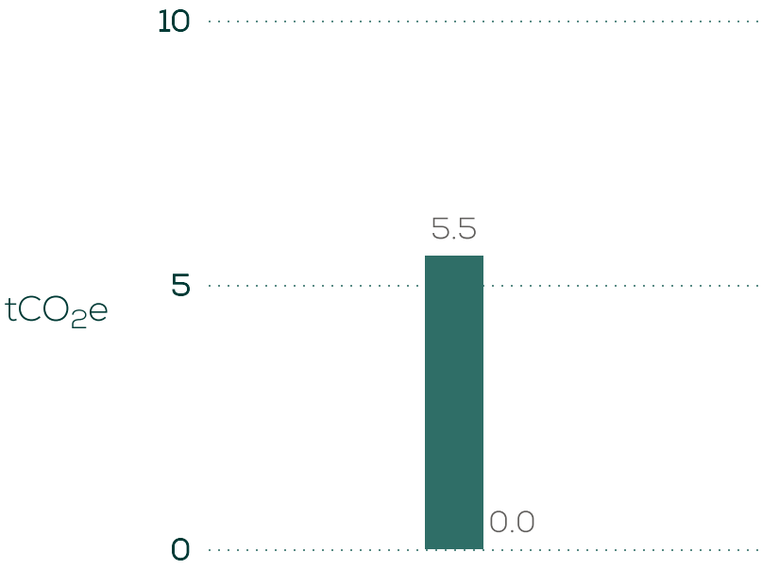
Upstream emissions are a consequence of your supply chain. This includes all purchased goods & services, along with travelling to meetings and employee commuting.

Scope 3 Upstream Emissions contributing activities

Purchased Goods & Services	759.1
Capital Goods	0.5
Fuel & Energy Related Activities	8.2
Transportation & Distribution	0.0
Operational Waste	0.6
Business Travel	0.1
Employee Commuting & Home Working	5.5
Leased Assets	0.0

Scope 3 total upstream emissions:
774.0 tCO_2e



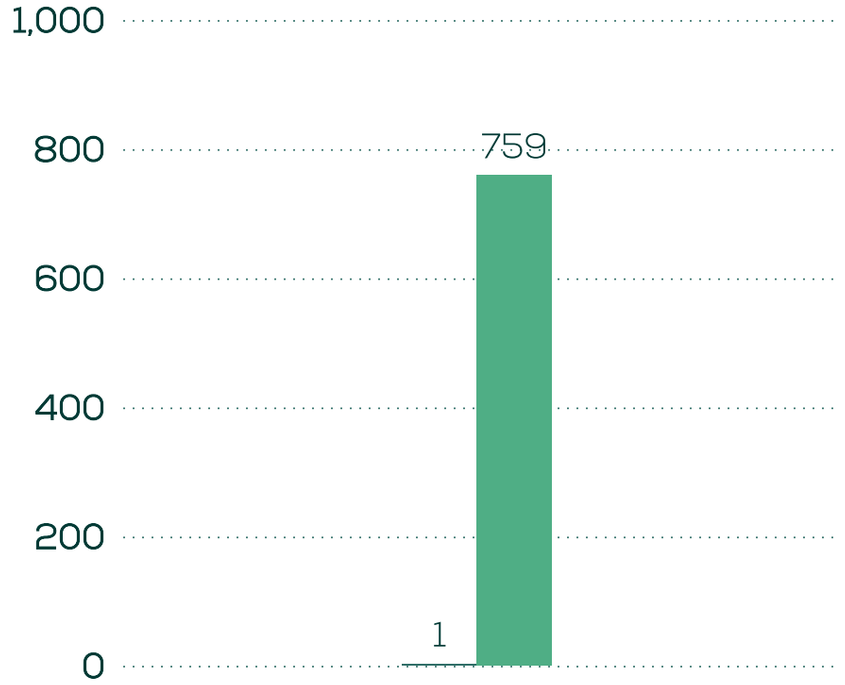
Employee Homeworking: 0.0 tCO_2e

Commuting: 5.5 tCO_2e

Footprint Analysis: Procurement

The figure below describes the emissions associated with all acquired assets and business purchases within your reporting period. Procurement emissions contribute to your Scope 3 carbon footprint.

Procurement Emissions



Capital Goods: 0.5 tCO_2e

Purchased Goods & Services: 759.1 tCO_2e

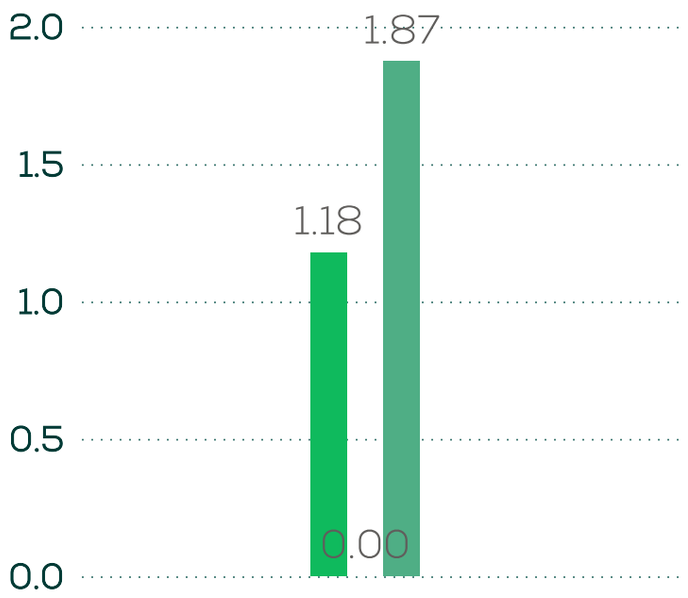
Total Procurement Emissions: 759.6 tCO_2e

Footprint Analysis: Property

The emissions analysed below are a direct result of on-site fuel consumption at your company properties. The activities included here contribute to your Scope 1 & Scope 2 carbon footprint.

Property Emissions

tCO_2e



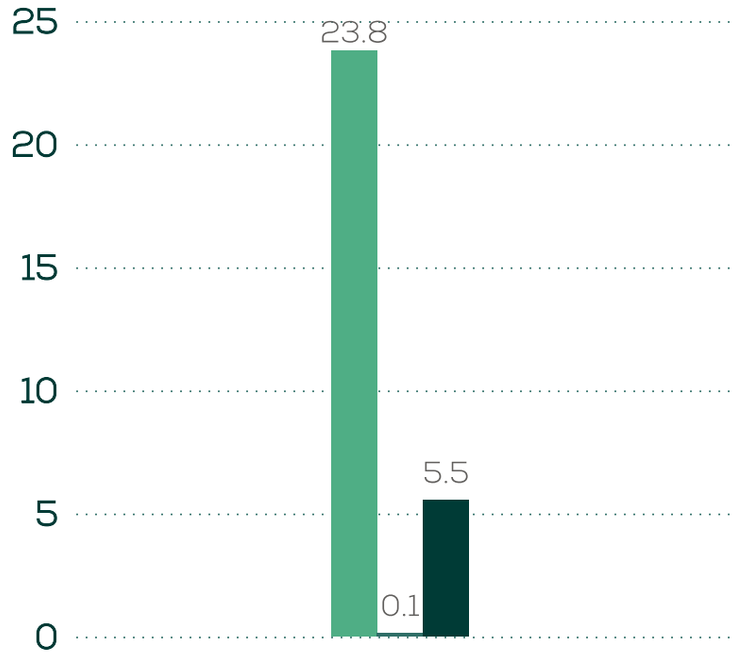
- On-Site Fuel Combustion: 1.2
- Leaked Emissions: 0.000
- Purchased Electricity: 1.9
- Steam, Heat & Cooling: 0.0

Total Property Emissions: 3.1

Footprint Analysis: Travel

The emissions analysed below are emitted from personnel travel associated with John Farrington & Co Ltd.
The activities included here contribute to your Scope 1 & Scope 3 carbon footprint.

Travel Emissions



Company Vehicles: 23.8 tCO_2e

Business Travel: 0.1 tCO_2e

Commuting: 5.5 tCO_2e

Total Travel Emissions: 29.5 tCO_2e

Data Quality

It is expected that most companies will not have access to High Quality data during their first few years of reporting carbon emissions. However, it is very important to improve data quality where possible to enable a detailed analysis of emissions may support targeted carbon reduction activities.

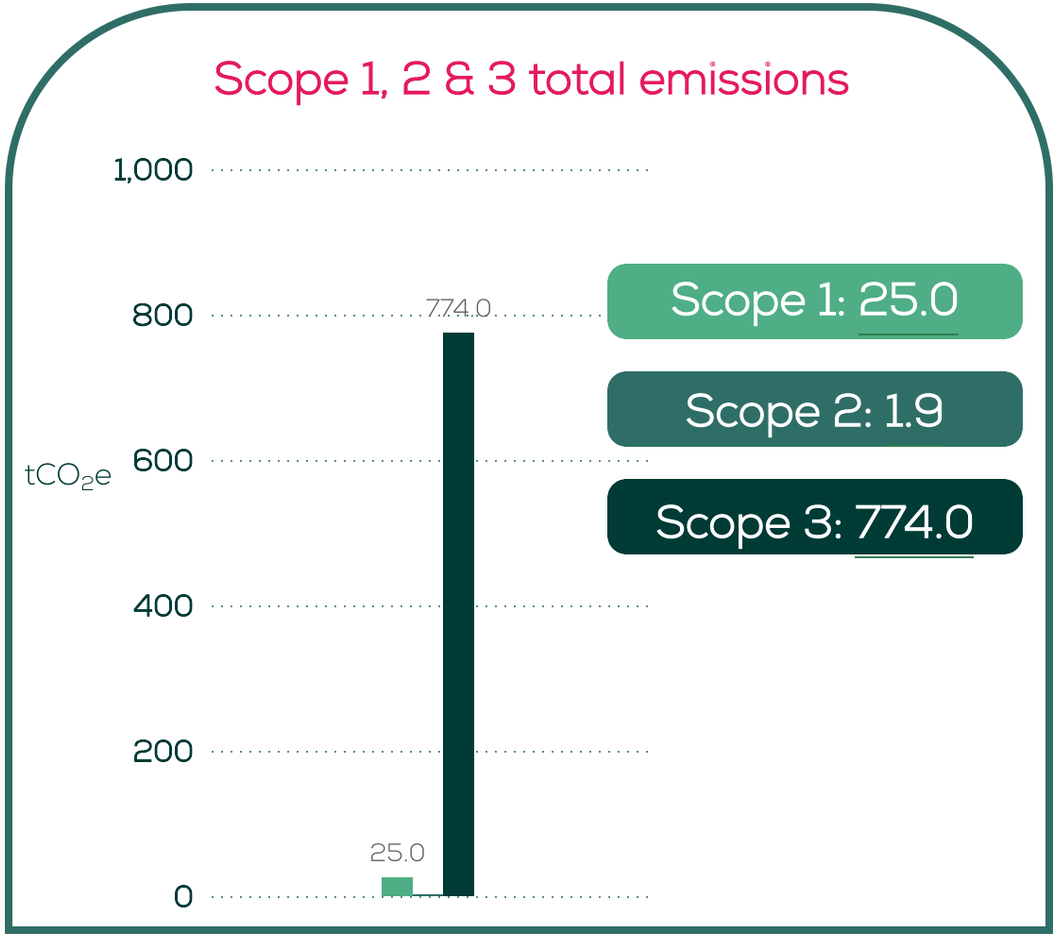
The below table shows the data quality rating for the emissions categories reported in this document. Descriptions for each Quality rating are detailed on page 6.

Utilities	High
Waste	High
Travel	High
Distribution	N/A
Procurement	Low
Finance	N/A
Product	N/A

We recommend initially focussing on improving data quality for John Farrington & Co Ltd's highest emitting categories.

All Emissions: Summary

The figures below demonstrate the emissions of each activity (tCO_2e) and how this has impacted your footprint.



On-Site Fuel Combustion	1.2
Company Vehicles	23.8
Leaked Emissions	0.0
Industrial Process Emissions	0.0
Purchased Electricity	1.9
Steam, Heat & Cooling	0.0
Purchased Goods & Services	759.1
Capital Goods	0.5
Fuel & Energy Related Activities	8.2
Transportation & Distribution (Upstream)	0.0
Operational Waste	0.6
Business Travel	0.1
Employee Commuting & Home Working	5.5
Leased Assets (Upstream)	0.0
Transportation & Distribution (Downstream)	0.0
Processing of Sold Products	0.0
Use of Sold Products	0.0
End-Of-Life Treatment of Sold Products	0.0
Leased Assets (Downstream)	0.0
Franchises	0.0
Investments	0.0

Next steps

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It has been a pleasure working with you to measure your carbon emissions. Now that you have this measurement and a better understanding of the carbon impact of your organisation, we recommend taking the following steps to keep the momentum going:

1. Develop a carbon reduction plan

Our team has highlighted core carbon hotspots within your carbon footprint. Now you need to consider actions to start to reduce these emissions and work toward Net Zero carbon, which our carbon reduction team can support you to do.

2. Communicate your impact

Measuring your carbon emissions and taking action to reduce them are extremely important first steps. Communicating this out to your stakeholders is a great way to x10 your impact. Share, inspire, and collaborate.

3. Engage your team

Internal awareness and buy-in is essential to a successful carbon reduction initiative. Not only will this help to reduce your organisation's emissions, but it will have a wider impact on everyone your employees engage with including suppliers, customers, friends, and family. Positive Planet offers certified Carbon Literacy Training which decreases individual emissions by 5-15% on average.

4. Improve data quality

Get ready for your next carbon reporting year! It is important to improve the quality of your data over time. In the next few years this will start to become regulated (high quality data will be required) so it is good to get on top of it early.

Thank You

We look forward to supporting you on the rest of your carbon reduction journey.

If you have any questions, please contact your Positive Planet team or hq@positiveplanet.uk

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