



CARBON REDUCTION PLAN, 2022/2023

Compiled December 2021 (Baseline 2019)

Updated October 2023

Pye Tait Consulting

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Carbon Reduction Plan

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Commitment to achieving Net Zero

Pye Tait Consulting is committed to achieving Net Zero emissions by 2040.

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

Baseline Year: 2019	
Additional Details relating to the Baseline Emissions calculations.	
<p>We have not previously assessed or reported emissions. In the context of the Covid pandemic we have used 2019 CO₂ emissions data as our baseline for this report, i.e. before the impact of the Covid-19 pandemic, as this provides a more accurate representation of our typical annual carbon footprint. Our monitoring process has been ongoing since early 2021 and we have therefore also included 2020 data for comparison purposes (these were severely impacted by Covid restrictions and cannot, therefore, be regarded as directly comparable to 2019 figures). Updated figures relate to the 2022 calendar year (Oct 2023).</p> <p>Pye Tait Consulting has always been committed to sustainability, with our policies advocating the use of sustainable resources, ensuring our supply of materials is sustainably resourced, using public transport rather than private car hire and, in more recent years, we have made a commitment to conducting meetings and field research by virtual means, wherever possible.</p>	
Baseline year emissions: 2019 (reported Jan 2020)	
EMISSIONS	TOTAL tonnes of carbon dioxide equivalent, (tCO₂e)
Scope 1	5.535 tCO₂e

	<p>Scope 1 emissions are made up of direct emissions from the generation of heat and other uses for our office suite. As described below the control of heat and gas usage from 2022 onwards will be under the full control of the landlord.</p>
Scope 2	<p>3.949 tCO₂e</p> <p>Our scope 2 emissions are made up of indirect emissions from the generation of purchased energy for our office buildings and for home working (from March 2020 onwards).</p> <p>Up the end of 2021 our office suite in Harrogate was managed by the landlord of the entire building. However, we paid our own energy bills and housed our own electricity and gas meters on the floor we occupied. From the beginning of 2022 we will not control energy supplies or usage – these are under the control of the new landlord.</p> <p>To calculate our Scope 2 emissions, we have used the GHG Protocol tool.</p>
Scope 3	<p>Total : 6.200 tCO₂e</p> <p>Scope 3 emissions in 2019 were made up of business rail travel (with some car journeys), commuting by car to the offices and office waste). With the onset of Covid restrictions from March of 2020 Scope 3 emissions were drastically reduced and we expect them to rise again only during the latter half of 2022.</p>
Upstream Transport	We have no control over upstream transport of our miniscule use of paper and IT consumables.
Waste	2.87
Business Travel	887.25
Employee Commuting	5309.8
Downstream Transport	We do not have any downstream transport costs except for a few physical letters sent by post.
Total Emissions	15.684 tCO₂e

2020 Emissions Reporting

Usage Year: 2020 (Jan 2020 to Dec 2020)	
Reported January 2021	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	3.575
Scope 2	5.015
Scope 3 (Included Sources)	Total 0.135
Upstream Transport	We have no control over upstream transport of our miniscule use of paper and IT consumables.
Waste	2.87
Business Travel	Zero
Employee Commuting	132.75
Downstream Transport	We do not have any downstream transport costs except for a few physical letters sent by post.
Total Emissions	8.725 tCO₂e

2021 Emissions Reporting

Usage Year: 2021 (Jan 2021 to Dec 2021)	
Reported January 2022	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	1.550
Scope 2	4.135
Scope 3 (Included Sources)	Total 0.136
Upstream Transport	We have no control over upstream transport of our miniscule use of paper and IT consumables.
Waste	2.87
Business Travel	Zero
Employee Commuting	132.75
Downstream Transport	We do not have any downstream transport costs except for a few physical letters sent by post.
Total Emissions	5.860

2022 Emissions Reporting

Usage Year: 2022 (Jan 2022 to Dec 2022)	
Reported October 2023	
EMISSIONS	TOTAL (tCO_{2e})
Scope 1	0
Scope 2	2.322
Scope 3 (Included Sources)	Total: 0.471
Upstream Transport	We have no control over upstream transport of our miniscule use of paper and IT consumables.
Waste	2.02
Business Travel	78.57
Employee Commuting	390.80
Downstream Transport	We do not have any downstream transport costs except for a few physical letters sent by post.
Total Emissions	2.793

Emissions reduction targets

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

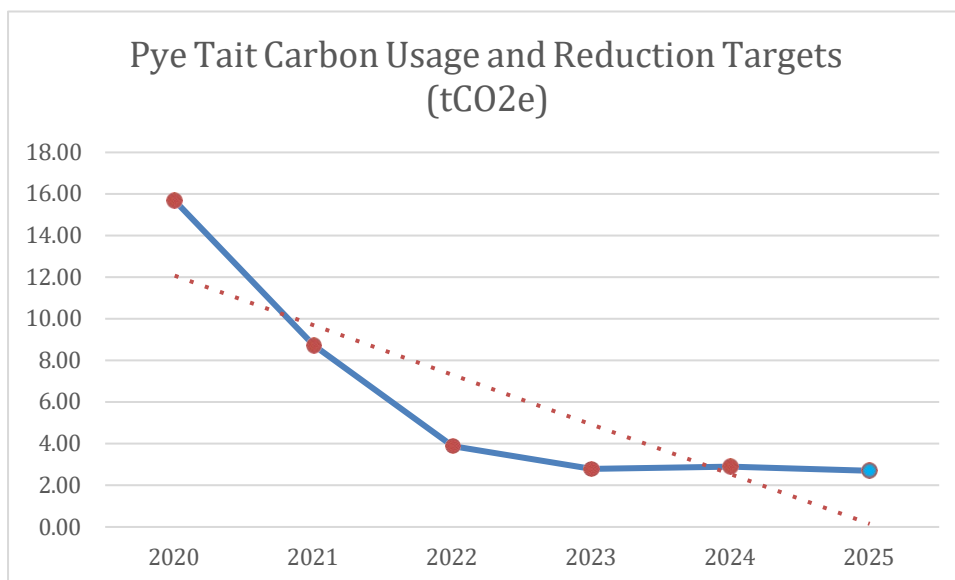
- We will continue to encourage paperless activities within our hybrid set-up and also encourage minimal waste from other sources (including food waste)
- Where electronic equipment is concerned we will have a target of renewable/repairable equipment to be in place throughout the organisation by 2026 thereby minimising scrappage and recycling.
- We will be encouraging a focus on carbon saving among our home-working staff and will help them wherever possible to reduce energy and waste.
- We shall continue to encourage our clients to consider the environmental impact of project methodologies by:

- Minimising travel in favour of virtual meetings
- Keeping virtual meetings as short as possible in order to save energy
- Conducting 'face to face' interviews and focus groups virtually
- Minimising the exchange of paper-based resources and reports

Benefits: These measures may also reduce costs and provide greater convenience and work-efficiency for our clients and research participants, who can also avoid travel and time away from the workplace.

We projected last year that carbon emissions would decrease over the next five years (2022 to 2027) to approximately 6.0 tCO₂e - a reduction of 62% on the 2019 baseline. We have made excellent progress in the last year and now set a 2027 net target of 3.0 tCO₂e.

Progress against these targets can be seen in the graph below (note that years from 2023 to 2025 are estimates):



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2019 baseline. The carbon emission reduction achieved by these schemes equate to around 12 tCO₂e, an 80% reduction against the 2019 baseline.

As at 2020:

1. All lighting at the office is now LED
2. Offices have been refurbished with additional insulation to conform to recent Building Standards guidelines
3. New boilers have been installed which are of the very latest energy standards

4. New laptop computers are of the high energy-saving type

As at end 2023:

1. Downsizing of offices to a single room.
2. Continued focus on energy efficiency and repairability in electronic equipment
3. Replacement of laptops for staff use at home with newer more efficient models as at end-2023
4. Continuing efforts to keep travel and meetings to a minimum will reduce carbon output.

We recognise that substantial reductions will not be possible in the future now that the main reduction in office size and equipment efficiency has been accomplished but we anticipate maintaining progress below the 2019-2040 trend line towards net zero.

In the future we hope to implement further measures such as encouraging home workers to convert all lighting to LED and ensure that their homes are insulated to the latest standards. All future electronic equipment purchased for staff use will also be of the highest energy-saving standards.

Our policy has always been that staff should, wherever possible and only where absolutely necessary, travel by rail rather than car or air and this will be made a firm policy for the future.

Declaration and Sign Off


This Carbon Reduction Plan has been completed in accordance with 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 standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

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) Standard³.

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

Signed on behalf of Pye Tait Consulting:



Keith C Pye, Director

Date: 9th October 2023

NOTES:

Broad definitions:

Scope 1 emissions

Mainly Green House Gas (GHG) emissions that a company makes directly — for example while running boilers and vehicles.

Scope 2 emissions

Indirect emissions – e.g. when the electricity or energy it buys for heating and cooling buildings, is being produced on its behalf.

Scope 3 emissions

Emissions associated, not with the company itself, but that the organisation is indirectly responsible for, up and down its value chain. For example, from buying products from its suppliers, and from its products when customers use them.

Scope 3 Category

Category description (Minimum boundary)

Upstream transportation and distribution

Transportation and distribution of products purchased by the reporting company in the reporting year between a company's tier 1 suppliers and its own operations (in vehicles and facilities not owned or controlled by the reporting company)

Transportation and distribution services purchased by the reporting company in the reporting year, including inbound logistics, outbound logistics (e.g., of sold products), and transportation and distribution between a company's own facilities (in vehicles and facilities not owned or controlled by the reporting company)

The scope 1 and scope 2 emissions of transportation and distribution providers that occur during use of vehicles and facilities (e.g., from energy use)

Optional: The life cycle emissions associated with manufacturing vehicles, facilities, or infrastructure

Waste generated in operations

Disposal and treatment of waste generated in the reporting company's operations in the reporting year (in facilities not owned or controlled by the reporting company)

The scope 1 and scope 2 emissions of waste management suppliers that occur during disposal or treatment

Optional: Emissions from transportation of waste

Business travel

Transportation of employees for business-related activities during the reporting year (in vehicles not owned or operated by the reporting company)

The scope 1 and scope 2 emissions of transportation carriers that occur during use of vehicles (e.g., from energy use)

Optional: The life cycle emissions associated with manufacturing vehicles or infrastructure

Employee commuting

Transportation of employees between their homes and their worksites during the reporting year (in vehicles not owned or operated by the reporting company)

The scope 1 and scope 2 emissions of employees and transportation providers that occur during use of vehicles (e.g., from energy use)

Optional: Emissions from employee teleworking

Downstream transportation and distribution

Transportation and distribution of products sold by the reporting company in the reporting year between the reporting company's operations and the end consumer (if not paid for by the reporting company), including retail and storage (in vehicles and facilities not owned or controlled by the reporting company)

The scope 1 and scope 2 emissions of transportation providers, distributors, and retailers that occur during use of vehicles and facilities (e.g., from energy use)

Optional: The life cycle emissions associated with manufacturing vehicles, facilities, or infrastructure

The specific greenhouse gases to be reported against are the seven greenhouse gasses named by the Kyoto Protocol:

1. Carbon Dioxide (CO₂)
2. Hydrofluorocarbons (HFCs)
3. Methane (CH₄)
4. Nitrous Oxide (N₂O)
5. Nitrogen Trifluoride (NF₃)
6. Perfluorocarbons (PCFs)
7. Sulphur Hexafluoride (SF₆)

¹ <https://ghgprotocol.org/corporate-standard>

² <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³ <https://ghgprotocol.org/standards/scope-3-standard>