



101 Euston Road,
London NW1 2RA

+44 (0) 20 7253 4772
brydenwood.com
info@brydenwood.co.uk

Bryden Wood Carbon Reduction Plan 2023-24

Version, Status & Approval Log

Date:	Purpose of Issue	Rev:	Author:	Reviewer:	Approved:
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2023-03-02	Reporting	P01	SF	PG	
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1.0 Executive summary

This Carbon Reduction Plan (CR Plan) for London and St. Albans sets out our ambitions and roadmap to become Net Zero Carbon by 2050 and reduce our emissions by half by 2030, in line with our commitment with the UK Business Climate Hub.

Bryden Wood is committed to reducing our carbon emissions and the impact our business has in and on the environment. The actions outlined within this Plan form part of our efficiency plan to reduce our impact and consumption and provide value for money.

The first version of this CR Plan, which is revised every year, was created in 2021. In that version of the report, we defined a baseline using information from 2019 (2 years earlier, prior to Covid). The 2019 baseline carbon footprint was calculated to be 236 tonnes of carbon dioxide equivalent (tCO_{2e}) and covered Scopes 1, 2 (electricity and gas) and Scope 3 (transportation and commuting).

The emissions of 2021 showed a substantial reduction compared to the baseline due to the effect of Covid, mainly in transportation emissions (Scope 3). The total measured emissions from Scopes 1,2 and 3 were 75 tonnes of carbon dioxide equivalent (tCO_{2e}).

In 2022, carbon emissions showed an increase due to transportation, although it remains a year that combines hybrid office work habits and work from home. The total measured emissions from Scopes 1,2 and 3 are estimated to be 170 tonnes of carbon dioxide equivalent (tCO_{2e}) Market-based. This is within the designated path to Net Zero.

In 2023, the number of full time employees increased in the company. In addition to that, and in order to be more transparent, Bryden Wood is accounting for all the offices abroad as part of scope 3 including:

- Athens, Greece
- Milan, Italy
- Barcelona, Spain

It should be noted that the 2022 calculation has included adjustments and refinements to our methodology. These are still in place and are described in detail in Section 2.2.

To meet our carbon reduction aspirations, the company aims to reduce its total carbon footprint by around 7.61tonnes of CO_{2e} every year (around 3.2%/year). To ensure a robust and transparent reporting of our emissions, since 2022, Bryden Wood has been adapting its methodology to align with PAS 2060 and Science Based Targets.

This document is updated yearly and has been published on Bryden Wood's website ([Brydenwood.com](https://www.brydenwood.com)).



2.0 Bryden Wood’s Commitment to Achieving Net Zero

Bryden Wood is committed to achieving Net Zero emissions by 2050 and reducing emissions by half by 2030.

2.1 Baseline Emissions

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 specific 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

It should be noted that the baseline emissions reported are based on measured data (from 2019 bills) and questionnaires, prior to the Covid pandemic. Using data corresponding to 2021 would have set a reference point based on an unusual year, with a large proportion of employees working remotely.

The baseline includes Scopes 1, 2 (heating, cooling and electricity from offices) and Scope 3 (transportation, homeworking and commuting).

Baseline emissions

EMISSIONS	TOTAL (tCO ₂ e)	Total MWh
Scope 1	0 (no gas)	0
Scope 2	34	133.02
Scope 3 (Included Sources)	202 (Transportation and commuting)	N/A
Total Emissions	236	133.02



2.2

2.3 Current Emissions

Current year: 2023-2024

Bryden Wood started quantifying their carbon emissions in 2021. In the period between 2021 and 2024 the following key changes took place:

- The total number of employees has increased by 24 FTE.
- Many of the employees started returning to office work.
- In this period, we started including all of scope 3 (general waste, homeworking, services, and E-waste).
- The market-based emissions were also added to the calculation, as the electricity in both offices is on a green tariff (100% renewable).
- Offices abroad office energy use as well as expenses were added to the scope 3 emissions.

Using a market-based emission factor of 0 corresponding to the 100% renewable energy for electricity use instead of a location-based (i.e UK electricity carbon factor from GHG conversion factor 2024) allows us to benefit from our green energy tariffs and use it as a strategy to reduce our carbon emissions.

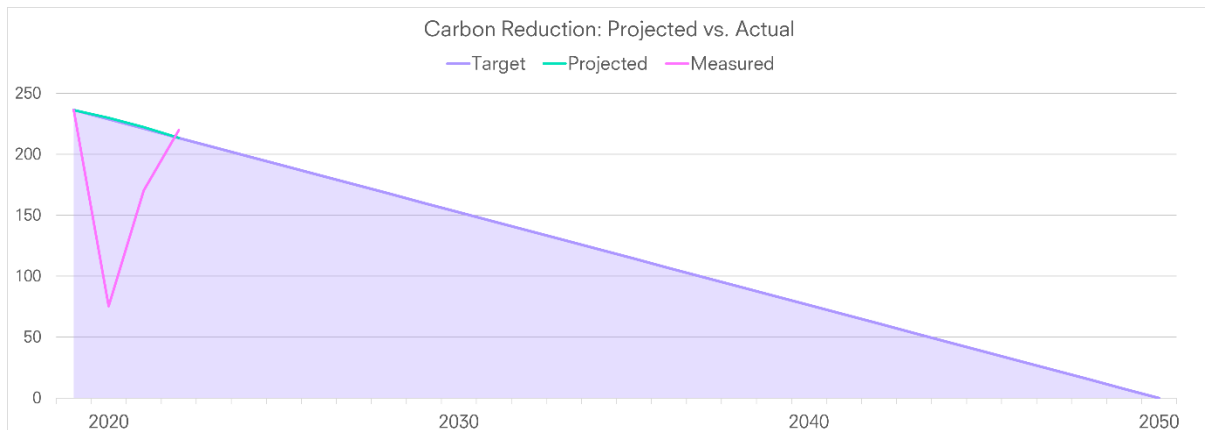
The above changes have caused an increase in the measured emissions.

This calculation has been verified and approved by a third-party company in accordance with the ISO 14064 Part 3 (2019): *Greenhouse Gases: specification with guidance for the verification and validation of greenhouse gas statements*.

Current emissions:

EMISSIONS	2024 (measured - Hybrid) TOTAL (tCO ₂ e)	Total MWh
Scope 1	0	0
Scope 2 Location-based	25.64	192.04
Scope 2 Market-based	0	
Scope 3 (all of scope 3)	219.96	185 (homeworking)
Total Emissions Location-based	245.6	286.19
Total Emissions Market-based	219.9	

We project that carbon emissions will decrease by 7.61tonnes CO₂e every year (around 3.2%/year). Progress against these targets can be seen in the graph below:





Completed Carbon Reduction Initiatives

Since 2021, Bryden Wood arranged a series of internal presentations to share our UK Business Climate Hub commitments with employees and raise awareness of the importance of adopting habits to reduce carbon emissions, including: the use of sustainable transportation methods; making responsible use of artificial lighting, heating, and cooling systems; switching off computers when leaving the office, etc. The office has embraced the use of online meetings and adopted strict protocols to reduce unnecessary commuting and flights. However, the scope of measures that can be adopted are limited by the lease contracts in London, St. Albans offices and abroad. The carbon emission reduction achieved by these schemes will be quantified in 2025 against the 2019 baseline.

2.4 Carbon reduction measures

Future Carbon Reduction Initiatives

In order to continue our progress to achieving Net Zero by 2050 and reducing emissions by half by 2030, we are committed to implementing the following measures:

- Continue with internal presentations to showcase Bryden Wood's carbon reduction targets.
- Creating a BW strategic Sustainability Vision 2030 that defines the company policies to reduce carbon and other environmental impacts.
- Carry on the task force effort that is making sure that reduction measures are implemented and put in practice.
- Carry out a company wide survey to understand key areas of improvement.
- Continuous awareness-raising initiatives including:
 - Reducing energy from computers (sleep mode, switch-off computers, etc.).
 - Reducing energy from lighting (turn off lighting during day and night, adequate use of blinds, use of desk lighting, etc).
 - Reducing energy from heating and cooling (relaxed setpoints, natural ventilation, relaxed clothing protocols, use of blinds to block sunlight).
 - Promotion of sustainable transportation methods.
 - Use a third-party company to verify and validate the calculation of our scopes.
 - Assess our value chain to better understand the management of our office waste.

Long term Carbon Reduction Initiatives

Bryden Wood will aim to implement further measures, such as:

- Form submission of Science Based Targets (SBTI) in summer 2024
- Accommodate capital for carbon management and offset projects.



3.0 Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standards 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.

Signed:

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Date: ...20/06/2024.....

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>