

Carbon Reduction Plan

December 2024

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1. Carbon reduction plan

Publication date: December 2024

This is Cast Consultancy's **Carbon Reduction Plan** (PPN 06/21) for our **reporting year 2023** (1st January 2023 – 31st December 2023).

The audience for this document is readers looking to understand and assess **Cast Consultancy's** alignment with **PPN 06/21** and associated guidance and reporting standards for Carbon Reduction Plans.

2. Commitment to achieving net zero

Cast Consultancy is committed to achieving Net Zero emissions by 2050. This commitment and net zero target have been validated by the Science Based Targets initiative (SBTi) and is publicly available on their target dashboard.

3. 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 | 1 st January 2019 – 31 st December 2019 |
| Emissions | Total (tCO2e) |
| Scope 1 emissions | 0 |
| Scope 2 emissions (Location-based) | 13.9 |
| Scope 3 emissions | 53.3 |
| Included emissions sources | |
| Category 4: Upstream transportation & distribution (included in Category 1- Purchased Goods and Services) | |
| Category 5: Waste (3.8 tCO2e) | |
| Category 6: Business travel (42.4 tCO2e) | |
| Category 7: Employee commuting and work from home (7.1 tCO2e) | |
| Category 9: Downstream transportation and distribution (Not applicable) | |
| Total Emissions | 67.2 |
| Additional details relating to baseline emissions calculations: | |
| In line with the Greenhouse Gas Protocol Corporate Standard, the Firm reports GHG emissions using the 'operational control' approach; presenting the emissions associated with fuel consumption in offices, | |



company cars and refrigerant use as 'Scope 1', electricity consumption in its leased office spaces as 'Scope 2' emissions, and all other upstream and downstream value chain emissions as 'Scope 3'.

Scope 1 emissions are 0 as Cast offices do not have gas consumption, do not own any company vehicles and air-conditioning systems in offices were well maintained and did not report any emissions from refrigerant leakage in F-gas records.

Carbon Reduction Plan guidance requires detail on emissions from GHG Protocol Scope 3 categories 4, 5, 6, 7 and 9. Emissions of all these categories are included in the above table. Our approach to each of these categories is set out below:

- Category 4 – Upstream transportation and distribution – As a professional services firm, annual spend on upstream transportation and distribution is relatively small and therefore of low materiality. There will of course be some transportation and distribution of products from Tier 1 suppliers to us, these emissions are captured in Category 1 (Purchased goods and services). Category 1 emissions reporting is not required by PPN06/21, hence is not included here.
- Category 5- Waste Generated in Operations – Calculated by multiplying our operational waste tonnage and wastewater volume (estimated from our actual water use) by the relevant UK carbon conversion factors.
- Category 6 – Business Travel – Calculated by multiplying distance travelled by the relevant UK carbon conversion factors.
- Category 7 – Employee Commuting – Calculated by estimating emissions from average (e.g. national) commuting patterns and applying this to our staff numbers and locations (i.e. London). This applies to both employee travel and working from home.
- Category 9 – Downstream transportation and distribution – Not applicable as Cast Consultancy does not trade in physical products and therefore does not require downstream transportation or distribution.

4. Current year emissions reporting

| Reporting year | 1 st January 2023 – 31 st December 2023 |
|---|---|
| Emissions | Total (tCO2e) |
| Scope 1 emissions | 0 |
| Scope 2 emissions (Location-based) | 8.3 |
| Scope 3 emissions | 41.5 |
| Included emissions sources | |
| Category 4: Upstream transportation & distribution (included in Category 1- Purchased Goods and Services) | |
| Category 5: Waste (0.33 tCO2e) | |
| Category 6: Business travel (7.85 tCO2e) | |
| Category 7: Employee commuting and work from home (33.3 tCO2e) | |

| | |
|-----------------|------|
| Total Emissions | 49.8 |
|-----------------|------|

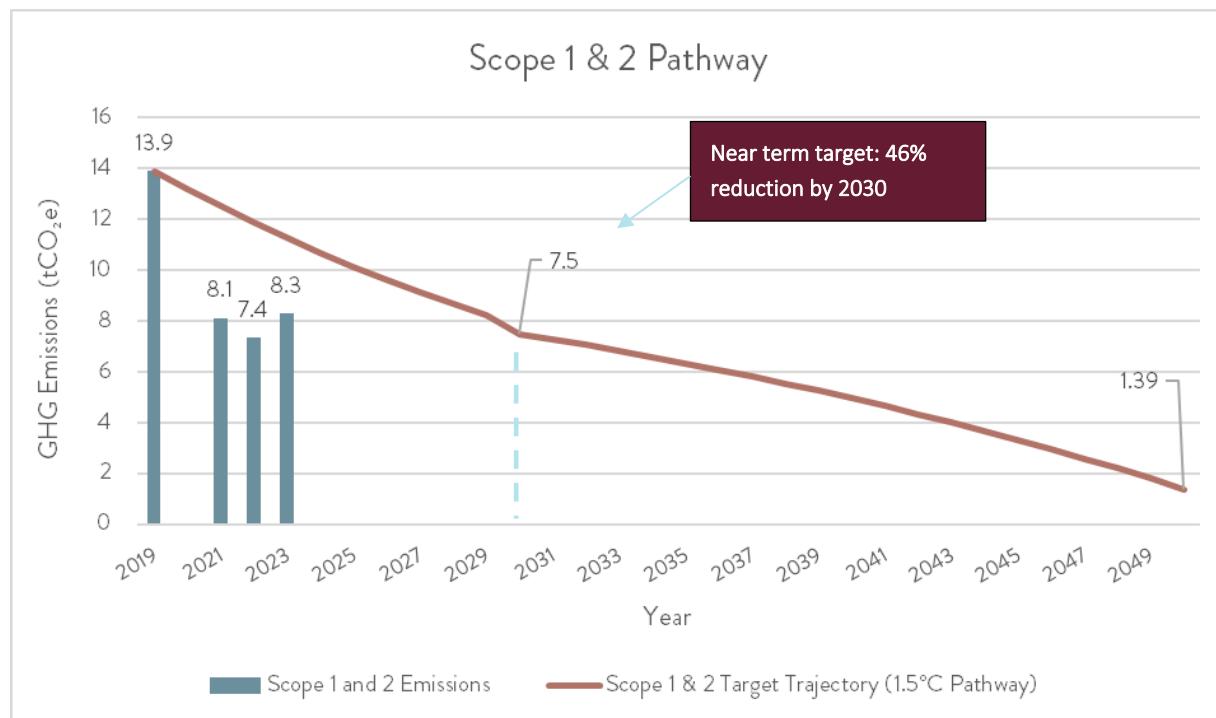
5. Emissions reduction targets

Cast Consultancy is committed to reducing its Scope 1, 2 and 3 carbon emissions 90% by 2050; in alignment with Science Based Targets initiative (SBTi) Corporate Net Zero Standard and the Paris 1.5°C pathway.

Therefore, we have adopted the following near-term carbon reduction targets to support our net zero ambitions:

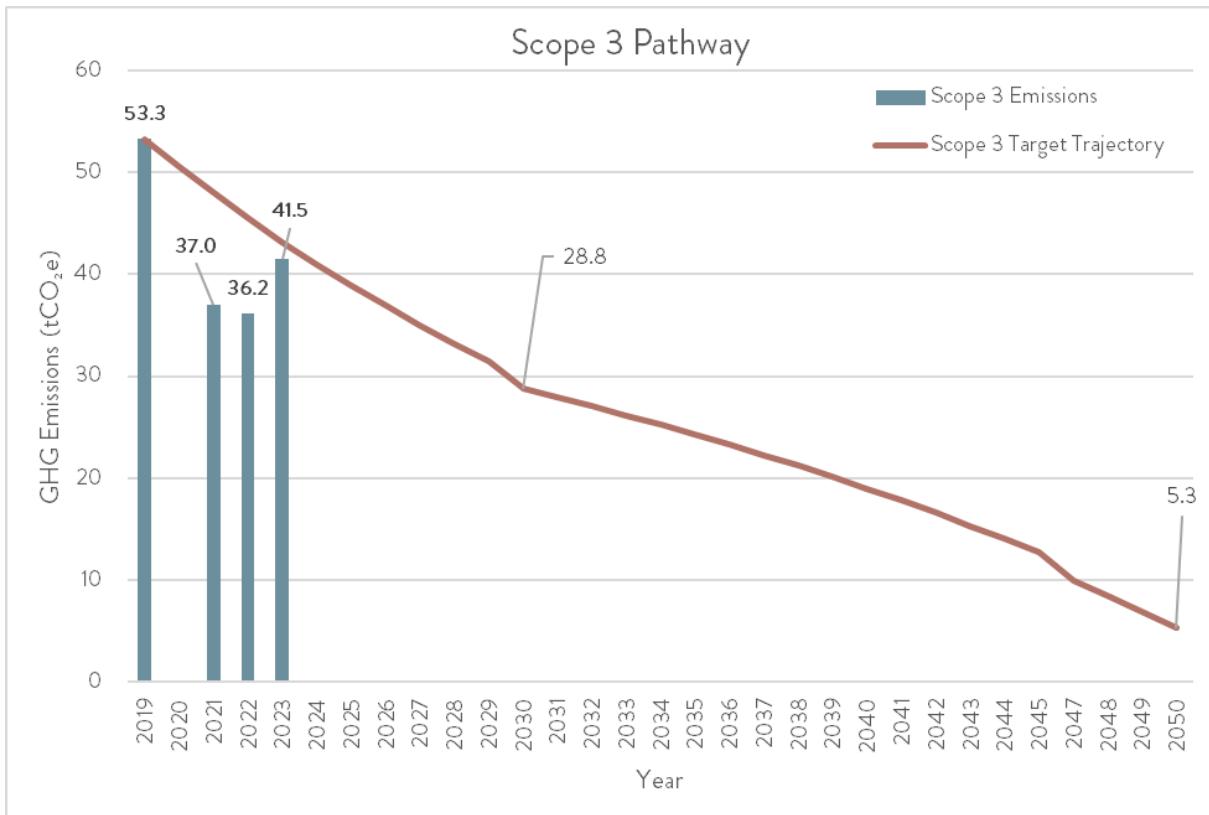
- We are targeting a decrease in absolute carbon emissions to 7.5 tCO₂e by **2030, for Scope 1 and 2 emissions arising from our leased offices**. This represents a reduction of **46%** based on our 2019 baseline year.
- We also committed to **reducing our Scope 1,2 and 3 emissions 90% by 2050** from a 2019 base year
- However, in line with PPN 06/21 requirements, this carbon reduction plan (and our reported progress against this target) only includes Scope 3 categories 4,5,6,7 and 9.

Progress against these targets can be seen in the graphs below:



As shown in the above graph, the absolute Scope 1 and 2 emissions associated with our leased offices have decreased by 40% in 2023 compared to our 2019 baseline. This can be attributed to ongoing energy efficiency measures and staff engagement towards responsible practices implemented in our offices.





The graph above shows the Scope 3 emissions covering categories 4,5,6 and 7 have decreased by 22% in 2023 compared to our 2019 baseline. The waste emissions reduced due to improved data capture and staff engagement on responsible waste management practices. However, business travel emissions have reduced due to improved data capture and updated conversion factors.

6. Carbon reduction projects

6.1 Completed carbon reduction initiatives:

The following environmental management measures and projects have been completed or implemented since the 2019 baseline. The measures below have contributed to the reduction in emissions reported compared with the 2019 baseline and will remain in effect during delivery of any awarded contract.

- Achieved PAS 2060 carbon neutrality certification since 2022.
- Undertook lighting and equipment upgrades in leased offices to reduce energy consumption.
- Undertook staff training on responsible practices on usage of lights, appliances and systems.
- Provided staff training to encourage behavioural changes that reduce waste and incentivise them to reuse and recycle IT equipment.



- Improved data capture processes for all types of waste streams and business travel.
- Undertook staff surveys to understand employee commuting patterns.
- Launched the cycle-to-work scheme for staff.

6.2 Future carbon reduction initiatives:

In the future we hope to implement further measures such as:

- Conduct an energy audit using a third-party energy auditor to carry out a review of Cast office in London to understand what equipment is currently being used and to highlight opportunities for improved energy efficiency.
- Procure 100% renewable energy for our leased offices through REGO backed tariffs from current supplier or switch suppliers.
- Launch a sustainable travel hierarchy policy to reduce business travel emissions.
- Analyse employee commuting patterns and modes of travel and engage them towards adopting sustainable modes of travel (cycling, walking) and increase staff uptake of the cycle-to-work scheme.
- Explore introducing the Electric Vehicle salary sacrifice scheme for staff.
- Conduct regular capacity building staff engagement sessions each quarter and incentivise staff for sharing new ideas for reducing carbon emissions.
- Prioritise purchasing energy efficient devices (A-rated) which are durable and will last a long time. Cast to ensure that these devices have sleep modes and or turned off when not in use and in unoccupied hours.
- Work with waste management suppliers to ensure zero waste ends up in landfill.

7. Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 006 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.

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

² <https://www.gov.uk/government/collections/government-conversion-factors-for-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) Standard³.

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

Signed on behalf of the Supplier:



Jeff Endean
Director
Cast Real Estate & Construction Consultancy
Date: **December 2024**

³ <https://ghgprotocol.org/corporate-value-chain-scope-3-standard>



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