



Causeway Technologies: PPN 06/21 Carbon Reduction Plan

Produced in collaboration with Carbonology® Ltd

Causeway Technologies Ltd Carbon Reduction Plan

Supplier name: Causeway Technologies Ltd.

Publication date: August 2023

Commitment to Achieving Net Zero

Causeway Technologies Ltd (hereafter referred to as Causeway) is committed to achieving Net Zero emissions by 2050 through the implementation of a range of carbon reduction initiatives.

Causeway is committed to reviewing its emissions on an annual basis and maintaining its commitment to carbon neutrality in alignment with PAS 2060. Commitment to carbon neutrality will be supported by the annual quantification of 100% of Scope 1 and 2 emissions, as well as relevant Scope 3 emissions.

Emissions have been quantified in alignment with ISO 14064-1:2019, the international standard for quantifying and reporting greenhouse gas emissions. UK emission factors produced by DEFRA, have been used to calculate emissions in tCO₂e, tCO₂, tCH₄ and tN₂O.

This Carbon Reduction Plan has been produced in collaboration with [Carbonology® Ltd.](#)

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that were produced in the past, prior to the introduction of any strategies to reduce emissions. Baseline emissions serve as a reference point against which emissions reductions can be measured.

The baseline period for quantification of GHG emissions is 1st January 2022 – 31st of December 2022. The year 2022 was selected as a new base year because GHG emissions from multiple Scope 3 sources were quantified for the first time and working patterns in 2022 were unrestricted by COVID-19 measures. It was also the first time that GHG emissions from newly opened sites have been quantified. However, it is important to note that in 2022, there was an emphasis on homeworking. Moving forward, we anticipate a shift towards working from the office. Future reporting periods will also follow a calendar year format.

Baseline Year: 2022 (1st January 2022 – 31st December 2022)	
Additional Details relating to the Baseline Emissions calculations.	
<p>This is the first year that Causeway has quantified organisational emissions at this level of detail. This was possible as it was the first year that data became accessible for various Scope 3 sources. Additionally, there were significant changes to Causeway’s organisational boundaries, along with increased activity following the relaxation of COVID-19 restrictions. In 2022, the majority of employees worked from home, moving forward there will be a shift away from homeworking. 2022 will serve as a base year for comparison with future reporting periods. Emissions have been quantified on a location basis.</p>	
Baseline year emissions:	
Emissions	TOTAL (tCO ₂ e)
Scope 1	2.43
Scope 2 (location-based)	57.24
Scope 3 (Included Sources)	1,050.34 <ul style="list-style-type: none"> • Waste generated in operations: 0.15 • Business Travel (road, rail, air, hotels): 133.04 • Employee commuting: 643.84 • Transmission and distribution losses (T&D): 5.15 • Water Supply: 0.50 • Water treatment: 0.92 • Purchased goods and services: 45.85 • Homeworking: 88.04 • Downstream transportation and distribution: 131.03 • Coworking spaces (WeWork): 1.82
Total Emissions	1,110.01

Current Emissions Reporting

Current Reporting Year: 2023 (1st January 2023 – 31st December 2023)	
Additional Details Relating to the Emissions Calculations:	
<p>This is Causeway’s second year of emissions reporting at this level of detail. Changes to the organisational boundaries include the opening of sites in Perivale and Northants, and the closure of our Maidstone office in May 2023. Additionally, the scope of our reporting boundaries has increased with the inclusion of capital goods and company vehicles. Emissions have been quantified on a location basis.</p>	
Baseline year emissions:	
Emissions	TOTAL (tCO ₂ e)
Scope 1	9.38
Scope 2 (location-based)	85.60
Scope 3 (Included Sources)	794.44 <ul style="list-style-type: none"> • Waste generated in operations: 0.11 • Business Travel (road, rail, air, hotels): 153.39 • Employee commuting: 298.43 • Transmission and distribution losses (T&D): 7.41 • Water Supply: 0.61 • Water treatment: 0.69 • Purchased goods and services: 74.68 • Capital goods: 160.85 • Homeworking: 85.02 • Downstream transportation and distribution: 12.11 • Coworking spaces (WeWork): 1.15
Total Emissions	889.43

Emissions Reduction Targets

Based on the results of our emissions quantification in 2023 compared to the targets set in our 2022 base year, we have decided to set milestones instead of annual reduction targets for certain emission sources. Specifically, milestones have been set for gas combustion, electricity consumption, and server hosting providers. This decision is driven by our predicted continued growth, making it unlikely that we will be able to reduce emissions from these sources on an annual basis in the short term. Instead, we have established the following milestones:

- **Scope 1:** Phase out gas use entirely by 2030.
- **Scope 2:** Procure renewable energy sources for all of our sites by 2035, thereby eliminating 100% of Scope 2 emissions.
- **Scope 3:** Procure hosting providers services who are using, or have a plan to operate services using renewable energy by 2035.

We have also revised our annual emission reduction targets following a thorough analysis of our 2023 emissions data. Despite adjusting our targets in response to what we consider achievable as a company, we are pleased to report significant progress in reducing our absolute emissions as we have achieved a reduction of 19.87% between 2022 and 2023. Our updated emission reduction targets are set against the 2022 base year and provided below:

- **Scope 3:** Reduce grey fleet emissions by 10% each year.
 - 47.79 tCO₂e saving by 2028
- **Scope 3:** Reduce emissions from employee commuting by 10% each year.
 - 301.68 tCO₂e saving by 2028
- **Scope 3:** Reduce emissions from downstream transportation by 10% each year.
 - 61.39 tCO₂e saving by 2028

To account for potential company growth, our reduction targets listed above are also expressed on a per FTE basis:

- **Scope 3:** Reduce grey fleet emissions per FTE by 10% each year.
 - 0.10 tCO₂e per FTE saving by 2028
- **Scope 3:** Reduce emissions from employee commuting by per FTE by 10% each year.
 - 0.65 tCO₂e per FTE saving by 2028
- **Scope 3:** Reduce emissions from downstream transportation per FTE by 10% each year.
 - 0.13 tCO₂e per FTE saving by 2028

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

Causeway Net Zero Pathway- tCO₂e



Emission Reduction Targets

Completed Carbon Reduction Initiatives

- Achievement of ISO 14001:2015 Environmental Management System for ongoing improvement of environmental performance and support of carbon reduction.
- Commitment to the annual quantification of GHG emissions in alignment with ISO 14064-1.
- Implementation of a travel and commuting policy designed to encourage emission reductions.
- HVAC maintenance to avoid leakage.
- Replacement of existing offices with new offices that maximise energy efficiency.
- Hybrid working and virtual meetings embraced to reduce commuting and business travel emissions.

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

Our key reduction initiatives:

- Continue to monitor the commitment of key suppliers and server hosting providers to carbon reduction and overall sustainability and aim to obtain a comprehensive data set on all purchased goods and services.
- Continue to monitor and review office environments and make responsible decisions in support of reducing our carbon footprint.
- Avoid acquiring new offices that use gas and/or are not energy efficient.
- Implement existing Carbon Reduction Plans at newly acquired businesses.
- Ensure that existing travel and commuting policies remain up to date and take advantage of emission reduction opportunities as they arise.
- Aim to maintain the achieved reductions below the 2022 levels of tCO₂e produced per employee and tCO₂e produced per million £ turnover as we move forward.

Energy reduction initiatives:

- Optimise heating cycles for energy efficiency.
- Ensure AC settings maximise energy efficiency by eliminating frequent swings between heating and cooling cycles.
- Maximise the potential of natural cooling to assist with building temperature regulation.
- Reduce overnight energy consumption through behavioural change.
- Ensure heat sensors are shaded to avoid triggering unnecessary cooling cycles.
- Assess feasibility of PV installation.

Energy reduction initiatives, transport:

- Assess targets annually, as transport accounts for a significant portion of energy consumption.
- Ensure that salary sacrifice schemes are effectively promoted.
- Replace leased cars with electric vehicles.
- Encourage walking, cycling and carpooling.
- Improve data collection relating to business travel by obtaining vehicle specific data on engine size and fuel type.

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 reporting](#)².

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 approved by Causeway Technologies Limited Executive Team.



Signed on behalf of Causeway Technologies Limited:

Name: Hywel Evans

Position: Company Secretary

Date: 27 August 2024



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

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

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