

Carbon Reduction Plan

Supplier name: Example Company Ltd

Publication date: 15/05/2023

Commitment to achieving Net Zero

Example Company 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: 2022

Additional Details relating to the Baseline Emissions calculations.

This is the baseline year and current emissions reporting year for our calculations from which we will measure our progress towards our stated emissions reductions targets. Here we only include the required subset of emissions but intend to extend the scope of our calculation to conduct a full carbon footprint assessment in accordance with the Greenhouse Gas Protocol.

This core calculation was done in accordance with the Greenhouse Gas protocol corporate standard. It has an accompanying report detailing methodology and giving emissions analysis. Direct activity data was used in all cases except fuel (which makes up 8.7 tonnes of scope 1), train travel, and taxi travel for which direct activity data (e.g. litres of fuel, km travelled) was not recorded. Therefore, the spend on fuel was cross referenced with the price of fuel at the time of purchase (which was highly variable over the reporting period of 2022) to indicate the volume of fuel consumed. In the case of train and taxi travel (which account for 2.29 and 2.94 tonnes respectively) the spend based method was used in lieu of more accurate data.

Additionally, a full year of data regarding waste disposal was not available. Instead a short period of waste disposal was recorded and used to model the full years worth of data. Only 1% of waste from our main lab facility is disposed of via landfill.

We plan to implement new recording strategies to further reduce our limited reliance on sub-optimal calculation methods.

The facility that produces our product is directly connected to a green energy facility. However, this was not factored into our calculation as the exact emissions factor for said facility's energy is yet to be established. Instead, the average UK energy grid mix factor was used. We intend to update our calculation to include the energy produced by this facility which will undoubtedly reduce our scope 2 carbon footprint significantly.

Baseline year emissions:

EMISSIONS	TOTAL (tCO₂e)
Scope 1	10.15
Scope 2	(electricity + purchased heat): 92.91
Scope 3 (Included Sources)	Employee Commuting (commuting + working from home): 42.21 Business Travel (travel + hotel stays + mileage in employee owned vehicles): 61.72 Upstream Transportation and Distribution (inbound + outbound logistics): 26.88 Waste Generated in Operations: 2.20 Downstream Transportation and Distribution : 0.00 Total scope 3: 133.01
Total Emissions	236.07

Current Emissions Reporting

As this is the first year of reporting emissions, the current emissions reporting year is the Baseline year. Details of this calculation can be found in the above table.

Emissions reduction targets

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

We project that carbon emissions (associated with scopes 1, 2, and this subset of scope 3) will decrease over the next five years to **186.50 tCO₂e by 2028**. This is a reduction of **21%**.

Carbon Reduction Projects

At our premises, measures have been implemented to reduce our carbon footprint:

- Installed LED lighting in our workspaces to reduce electricity consumption reducing our carbon footprint.
- Implemented sensors and intelligent lighting systems, which automatically turn lights off when a room is unoccupied or when there is sufficient natural light available.
- The business park where our facility is located has installed wind and solar electricity generation on-site to help reduce our carbon footprint.

In the future we will review and implement where feasible the following measures:

1. Electricity and Energy Consumption:

- a. Increase energy efficiency by upgrading lighting, HVAC systems, and appliances
 - b. Implement an energy management system to monitor and optimise energy usage across our operations
 - c. Educate employees about energy conservation and encourage them to reduce energy use in the workplace
2. Business Travel and Employee Commuting:
- a. Encourage the use of low-carbon transportation options such as public transport, cycling, or electric vehicles for business travel and commuting
 - b. Promote remote work and video conferencing as an alternative to travel when possible
 - c. Provide incentives for employees who use low-carbon transportation options or carpool
 - d. Monitor and report on travel-related emissions to track progress and identify opportunities for improvement
3. Waste:
- a. Implement a waste reduction and recycling program to reduce the amount of waste generated
 - b. Compost organic waste generated at our facilities
 - c. Minimise single-use products and packaging
 - d. Implement circular economy principles to reduce waste and extend the life of products and materials
4. Transportation and Distribution:
- a. Optimise transportation routes and modes to minimise emissions and reduce fuel consumption
 - b. Use low-emission vehicles and alternative fuels for transportation
 - c. Work with suppliers to reduce emissions from transportation and distribution
 - d. Use technology to track and optimise the efficiency of transportation and distribution operations

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 (or equivalent management body).

Signed on behalf of the Supplier:

.....

Date:

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>