



Carbon Reduction Plan

Commitment to
Achieving Net Zero

2023

Supplier name: Pentaco Construction Ltd

Publication date: 16/06/2023

Commitment to achieving Net Zero

Pentaco Construction Ltd is committed to achieving Net Zero emissions by 2050.

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: 2021	
Additional Details relating to the Baseline Emissions calculations.	
Our baseline emissions were completed for the year 2021. On going recording for year to date are continuing. Our baseline emissions were calculated using scope 1, 2 & 3 emissions. This is our first year recording and as we lease an office with other companies within the same building it has been difficult to accurately measure our energy use and water use for this location. We have had to estimate this figure based on our floor space area and numbers of employees in relation to the other businesses in the same building.	
Baseline year emissions:	
Emissions:	TOTAL: (tCO₂e)
Scope 1:	196.64 (tCO ₂ e)
Scope 2:	28.57 (tCO ₂ e)
Scope 3: (included sources)	121.78 (tCO ₂ e)
Total Emissions:	345.99 (tCO₂e)

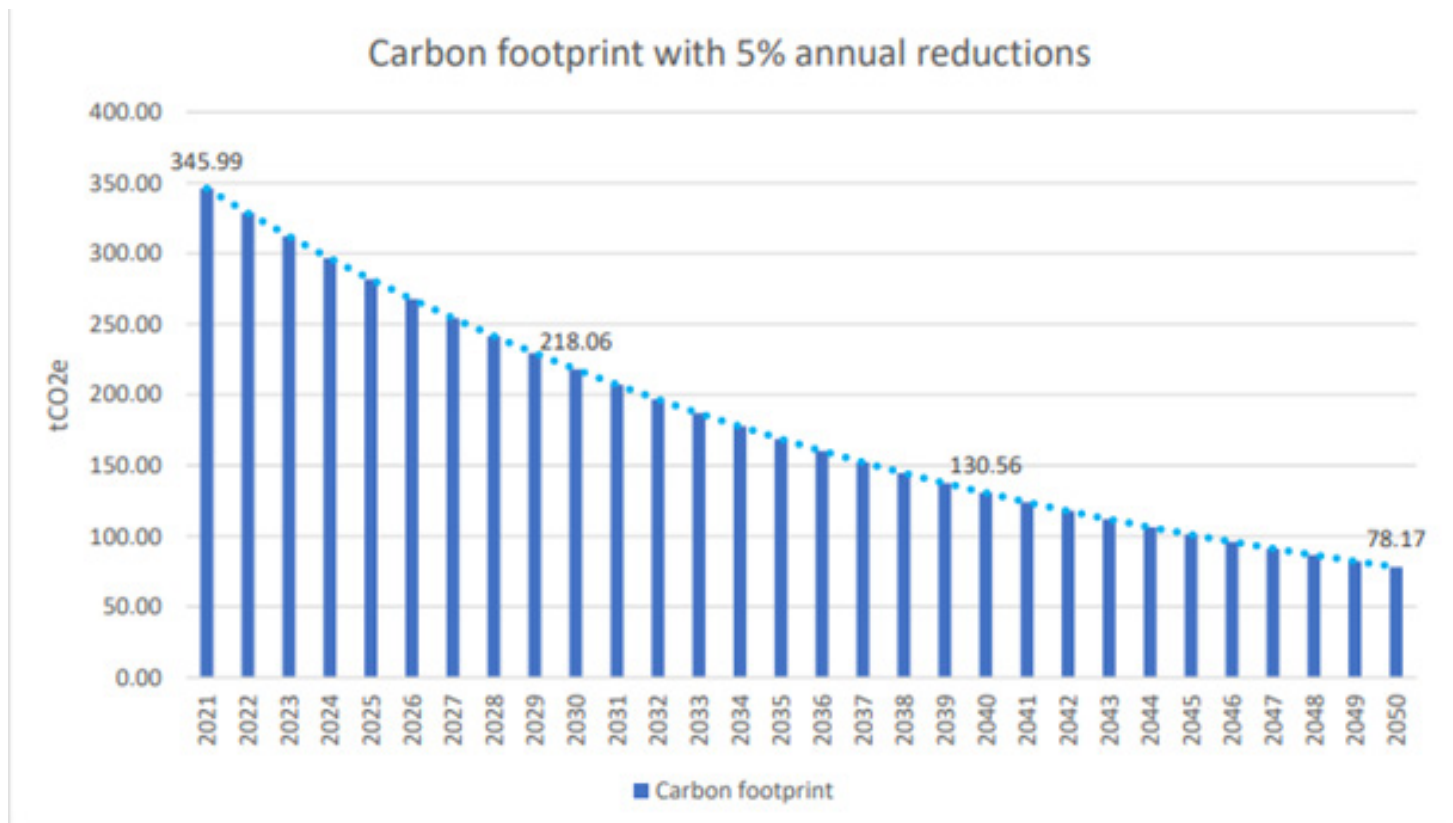
Current Emissions Reporting

Reporting year: 2022	
Emissions:	TOTAL: (tCO₂e) = 399.61
Scope 1:	171.84 (tCO ₂ e)
Scope 2:	17.01 (tCO ₂ e)
Scope 3: (included sources)	<p>210.75 (tCO₂e)</p> <p>Category 4: Our products are purchased direct from suppliers and delivered direct to construction sites by our supply chain. Our supply chain will measure their carbon footprint for this. Items purchased direct from our selves is minimal and not calculated in this category.</p> <p>Category 5: Waste generated from our site activities is calculated in this scope. Our total emissions for this category is 46.23 (tCO₂e)</p> <p>Category 6: We have little or no business travel outside what is already calculated in scope 1. Our business is located in a rural location and the only business travel is company vehicles already captured.</p> <p>Category 7: Daily commuting figure from vehicles not owned by the company has been captured in scope figures. These will be separated out for the next reporting year and captured in Scope 3 emissions. The total CO₂ emissions in this category are 164.24 (tCO₂e)</p> <p>Category 9: The company does not sell products only services so this item is not included.</p>
Total Emissions:	399.61 (tCO ₂ e)

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 will decrease over the next five years to 17.3 tCO₂e by 2026. This is a reduction of 5% based on our current turnover. Our business is growing and this is likely to have an effect on the total tonnage released however this can be measure using a tCO₂e per financial turnover

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



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2021 baseline. The carbon emission reduction achieved by these schemes equate is estimated to be 23.2 tCO₂e, an 7% reduction against the estimated 2020 baseline and the measures will be in effect when performing the contract.

This is our first year of calculation and Pentaco Construction is accredited to ISO14001 and this will remain an ongoing accreditation within the business that will enable to keep focussing on Carbon Reduction. Our company car initiatives gives greater benefits to employees who are looking to purchase Hybrid or petrol vehicles. The carbon reduction statistics mentioned above are an estimate based on evidence if we had done nothing in that year

We will look to hire our site welfare offices from suppliers who are offering eco cabins to reduce energy use on sites.

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

Supplying electric vehicle charges on site and at our offices. Using plant hire companies that only use bio fuels or electric. We have already started to use solar powered welfare units and will continue to monitor new initiatives on alternative fuels and look to purchase/hire the most environmentally favourable equipment. We are keeping a close eye on the hydrogen initiatives with a view to using this on site in 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 standard and uses the appropriate Government emission conversion factors for greenhouse gas 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) Standard .

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:



Mark Cooper
Health, Safety and Environment Manager
Date: 16/06/2023