

Carbon Reduction Plan

PENTAXIA

24/08/2024

Commitment to achieving Net Zero

PENTAXIA is committed to achieving Net Zero emissions by 2050.

Baseline Emissions Footprint

Baseline emissions are records of greenhouse gases produced in the past, prior to the introduction of any strategies to reduce emissions. They are the reference point against which emissions reduction can be measured.

Baseline Year: 2023/2024	
Additional Details relating to the Baseline Emissions calculations.	
The 2024/2025 financial year is PENTAXIA’s first year capturing emission details for a baseline reading.	
Baseline year emissions: No previous baseline.	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	38,333 kgCO ₂ e
Scope 2	306,637 kgCO ₂ e
Scope 3 (Included Sources)	Estimated 674,330 kgCO ₂ e
Total Emissions	1,019,300 kgCO ₂ e

Current Emissions Reporting

Reporting Year: 2024/2025	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	35,000 kgCO ₂ e Estimated
Scope 2	278,760 kgCO ₂ e Estimated
Scope 3 (Included Sources)	613,027 kgCO ₂ e Estimated
Total Emissions	926,787 kgCO ₂ e Estimated

Emissions reduction targets

For the 2024/2025 year we estimate 10% reductions for emissions across all three scopes.

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented prior to the 2023/2024 baseline.

PENTAXIA is/has implemented the following carbon reduction initiatives:

- Replaced all lighting across the site with LED lighting.
- Replaced company cars with electric vehicles.
- We are in the final stages of implementing solar.
- We have developed a 98% energy-saving processing solution, ECOTOOL, for our industry and are in the process of implementing it.
- We use public transport where possible.
- We carry out meetings online via TEAMS where possible.
- We have placed energy monitoring systems on all major CAPEX items to capture usage and inform future cost and Co2 savings.
- We continue working with our supply chain to reduce their carbon footprint.

We project that carbon emissions will decrease over the next five years to 712 tCO₂e by 2029. This is a reduction of 30% on our 2024/2025 estimate.

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 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:



Stu Morris

Date: 24/08/2024
