

Supplier name: JCA Engineering
Publication date: 07-07-2023

1.0 Commitment to achieving Net Zero

JCA Engineering is committed to achieving Net Zero emissions by 2050.

2.0 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: 2020	
Additional Details relating to the Baseline Emissions calculations.	
This is the companies initial baseline results compiled in line with the “Environmental Reporting Guidelines: Including streamlined energy and carbon reporting guidance March 2019”. We have incorporated elements of scope 3 which include grey fleet/employee car mileage at this stage. Due to the effects of Covid and the limitation on travel for a large part of 2020 the figures for this year were lower than would have been under normal circumstances. Subsequently years 2021 and 2022 are higher than 2020 baseline as travel arrangements have returned back to pre-covid levels. However there was an overall drop from 2021 to 2022 (43 tCO ₂ e)	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	140.4
Scope 2	26.1
Scope 3 (Included Sources)	43.7
Total Emissions	210.2

3.0 Current Emissions Reporting

Reporting Year: 2022	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	147.6
Scope 2	24.1
Scope 3 (Included Sources)	95.0
Total Emissions	266.6

4.0 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 212 tCO₂e by 2028. This is a reduction of 20%

5.0 Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2020 baseline.

- Initiation of move company cars to electric
- Move to working from home and where practicable and use of conference calls rather than face to face meetings
- PIR lighting control installation
- Installation of instantaneous hot water boilers for tea points
- Installation of electric charging points at head office
- 14001 gap analysis to understand where improvements can be made in our processes and procedures

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

- Environmental training for all staff
- Move of company vans to electric
- Improvements in building controls to reduce energy usage at head office
- Further reduction in company related travel where practicable
- Increased usage of public transport for operational staff

6.0 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:

Dean Cocklin – Director



Date: 7th July 2023

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>