

# Carbon Reduction Plan

Supplier name: EPC Improvements Ltd

Publication date: 7th August 2023

## Commitment to achieving Net Zero

EPC Improvements Ltd is committed to achieving Net Zero emissions by 2040, ten years ahead of the government target.

We are currently working to develop a full implementation plan which will allow us to bring this target further forward.

## 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.**

EPC Improvements began collecting data in 2022 and has not previously assessed or reported emissions.

Hence, 2022 is the baseline year.

Included in these calculations are the organisation's direct emissions from running a natural gas boiler for heating and using a diesel powered vehicle. Also covered are indirect emissions from the office's electricity consumption and EV charging for employees' electrical automobiles. And lastly, for scope 3 emissions from municipal waste and from employees' commutes were considered.

The calculation for Scope 1 and Scope 2 emissions was straightforward based off the suppliers' bills and meter readings, as well as mileage records for the vehicle.

For Scope 3 assumptions were made based on the UK Government GHG Conversion Factors for Company Reporting for the average emission per mile for the employees' vehicles. That value was multiplied by the approximate distance covered by each employee and multiplied by the number of days worked at the office in 2022.

<b>Baseline year emissions:</b>	
<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
<b>Scope 1</b>	<b>Running boiler: 6.16</b> <b>Vehicle: 4.95</b> <b>Scope 1 total: 11.11</b>
<b>Scope 2</b>	<b>Purchased electricity: 6.04</b> <b>Scope 2 total: 6.04</b>
<b>Scope 3</b> <b>(Included Sources)</b>	<b>Waste generation: 0.2</b> <b>Employee commuting:</b> <ul style="list-style-type: none"> <li>• <b>Private car 17.00</b></li> <li>• <b>Train 3.16</b></li> </ul> <b>Scope 3 total: 20.16</b>
<b>Total Emissions</b>	<b>37.32</b>

## **Current Emissions Reporting**

<b>Reporting Year: 2023</b>	
<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
<b>Scope 1</b>	The organisation has not previously assessed or reported emissions. The latest numbers are of the last year of 2022, which is the baseline year.
<b>Scope 2</b>	The organisation has not previously assessed or reported emissions. The latest numbers are of the last year of 2022, which is the baseline year.
<b>Scope 3</b> <b>(Included Sources)</b>	The organisation has not previously assessed or reported emissions. The latest numbers are of the last year of 2022, which is the baseline year.
<b>Total Emissions</b>	The organisation has not previously assessed or reported emissions. The latest numbers are of the last year of 2022, which is the baseline year.

## Estimated Emissions Reporting

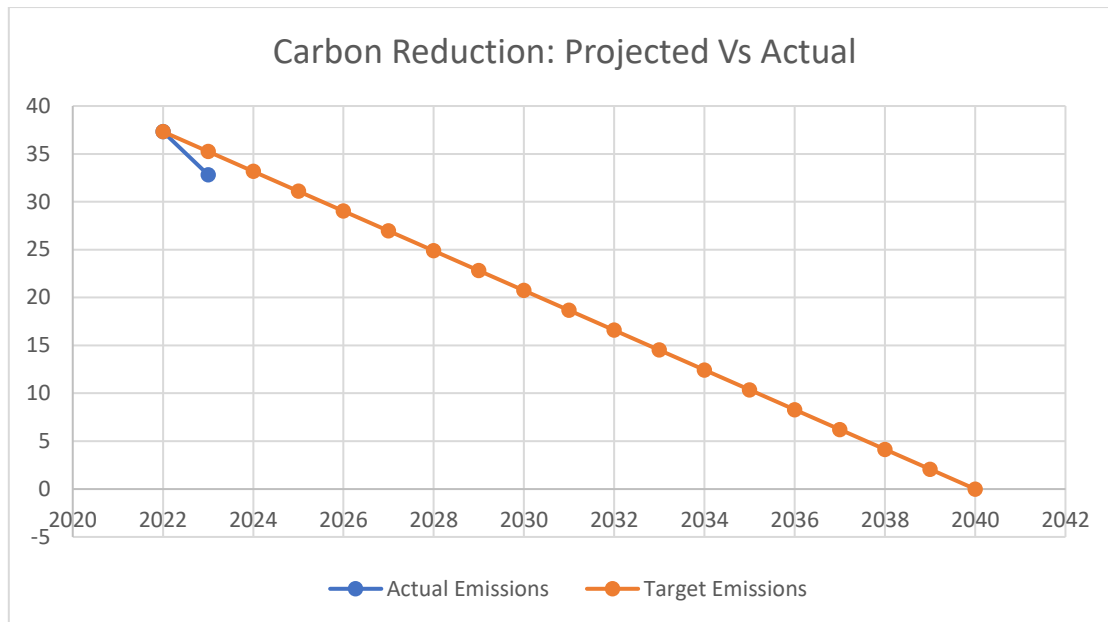
Estimating Year: 2023	
EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	Running boiler: 0 Vehicle: 9.90 Scope 1 total: 9.90
Scope 2	Office electricity: 7.83 Electric Vehicles: 0.91 Self-Produced electricity (solar panels + battery): -0.72 Scope 2 total: 8.01
Scope 3 (Included Sources)	Waste generation: 0.2 Employee commuting: <ul style="list-style-type: none"><li>• Private car 11.74</li><li>• Train 3.16</li></ul> Scope 3 total: 15.81
<b>Total Emissions</b>	<b>32.82</b>

## 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 26.95 tCO<sub>2</sub>e by 2027. This is a reduction of 27.78%

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 implemented since the 2022 baseline. The carbon emission reduction achieved by these schemes is estimated to be 4.5 tCO<sub>2</sub>e, a 12.06%ge reduction against the 2022 baseline and the measures will be in effect when performing the contract.

The following environmental management measures and projects have been completed or implemented since the start of our baseline year, including:

- Solar panels have been installed on the property
- The gas boiler has been replaced with an ASHP
- 3 employees have replaced their private vehicles with electric vehicles with help from the salary sacrifice schemes implemented by the company
- 2 employees have adopted a 4 day work week
- We'd like to point out that we've changed our electricity provider to one that guarantees that the energy they supply is sourced from Nuclear 24% and Renewable 76% only.

### Planned Carbon Reduction Initiatives

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

- Identify gaps in scope 1, 2 and 3 reportable carbon emissions. Establish methodology for capturing any missing data sources and recalculate baseline emissions.
- Consider aligning with the principles of the ISO14001 Environmental Management Systems standard and obtaining certification.
- Analyse possible changes to policy resulting in a reduction in company travel and the electrification of the company fleet.

## 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<sup>1</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<sup>2</sup>.

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<sup>3</sup>.

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:

*Daniel Hibberd*

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Date: 7<sup>th</sup> August 2023

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<sup>1</sup><https://ghgprotocol.org/corporate-standard>

<sup>2</sup><https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

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