

Carbon Reduction Plan for Carbon3 Ltd

Commitment to Achieving Net Zero

Carbon3 Ltd is committed to achieving Net Zero emissions by 2050.

Publication Date: 03 June 2024

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past, 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: 2023
Additional Details relating to the Baseline Emissions calculations.
Carbon3 Ltd has calculated its baseline emissions for the year 2023. This includes emissions from direct activities (Scope 1), indirect emissions from purchased electricity (Scope 2), and selected categories of indirect emissions (Scope 3) as per GHG Protocol guidelines. As this is our first year of reporting, these calculations will serve as our baseline moving forward.

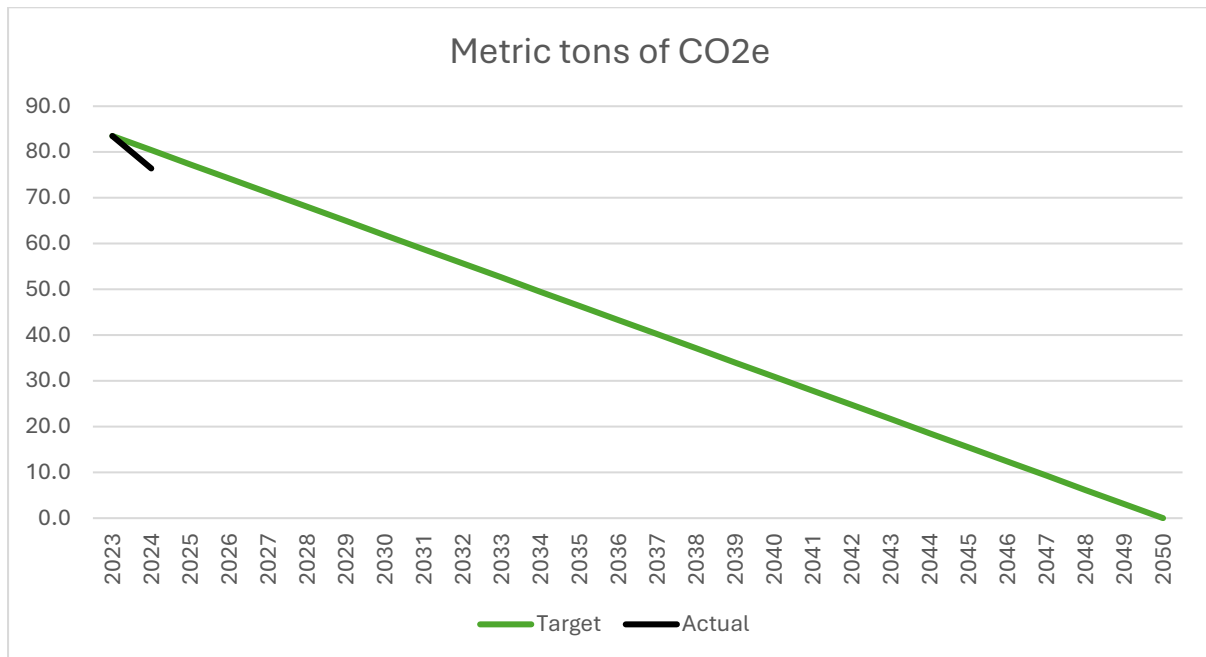
Baseline year emissions: 83.6 (tons) CO₂e	
EMISSIONS	TOTAL (tCO₂e)
Scope 1: Direct Emissions These are emissions from sources that are owned or controlled by Carbon3, including:	Stationary Combustion: Emissions from fixed sources like boilers, furnaces, and generators. <i>Example: Emissions from a construction site generator.</i>
Scope 2: Indirect Emissions from Energy These are emissions from the generation of purchased electricity, steam, heating, and	Purchased Electricity: Emissions from electricity consumed by the company. <i>Example: Electricity used to power construction site offices.</i>

cooling consumed by Carbon3, including:	
<p>Scope 3: Other Indirect Emissions</p> <p>These are emissions that are a consequence of the company's activities but occur from sources not owned or directly controlled by Carbon3, including:</p>	<p>Waste Generated in Operations: Emissions from the disposal and treatment of waste generated by the company's operations. <i>Example: Emissions from the disposal of construction waste, such as rubble and scrap materials.</i></p> <p>Business Travel: Emissions from employee business travel. <i>Example: Emissions from flights and car travel for project meetings.</i></p> <p>Employee Commuting: Emissions from employees commuting to and from work. <i>Example: Emissions from construction workers commuting to the site.</i></p>
Scope 1 – Direct Emissions	0.6 (tons) CO₂e
Scope 2 – Indirect Emissions from Energy	3.9 (tons) CO₂e
Scope 3 - Other Indirect Emissions	79 (tons) CO₂e
Total Emissions	83.6 (tons) CO₂e

Current Emissions Reporting

Reporting Year: 2024: 76.4 (tons) CO₂e	
EMISSIONS	TOTAL (tCO₂e)
Scope 1 – Direct Activities	0.5 (tons) CO₂e
Scope 2 – Purchased Electricity	3.0 (tons) CO₂e
Scope 3	72.9 (tons) CO₂e
Total Emissions	76.4 (tons) CO₂e

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



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

Since the 2023 baseline, Carbon3 Ltd has implemented environmental management measures as part of our carbon reduction plan. The carbon emission reduction achieved by these schemes equate to 3.52 tCO₂e, representing a 4% reduction against the 2023 baseline. These measures will be in effect when performing the contract.

Key initiatives include:

- **ISO 14001 Certification:** Achieved certification for our environmental management system.
- **Energy Efficient Lighting:** Replaced all office lighting with LED/PIR lighting controls to 1 of 2 of our offices, The Alders, with Invicta to be completed in 2024.
- **Reduction in Travel:** Implemented a policy to reduce company travel and flights by 30%, encouraging virtual meetings.
- **Fleet Electrification:** Began transitioning our vehicle fleet to electric vehicles, currently at 20% electric (6 of 30).

Future Carbon Reduction Initiatives

In the future, Carbon3 Ltd aims to implement further measures such as:

- **Complete Fleet Electrification:** Aim to transition the entire vehicle fleet to electric by 2030.
- **Renewable Energy Adoption:** Plan to install solar panels on company premises to generate renewable energy.
- **Carbon Offsetting Projects:** Invest in certified carbon offset projects to balance out unavoidable emissions.
- **Office Openings:** in the Midlands and Scotland, further reducing the energy usage for meeting attendance of operatives.

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 standard, using 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 has 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.

Signed on behalf of Carbon3 Ltd:



Date: 03rd June 2024