

PPN 06/21



**GEDA**

Think Construction  
Think Civils  
Think GEDA

# Carbon Reduction Plan

**Supplier Name:** GEDA Construction

**Publication Date:** 31<sup>st</sup> March 2023

## Commitment to Achieving Net Zero

GEDA Construction is committed to achieving Net Zero by 2050, as set by the UK Government in 2019, and that journey begins here.

At GEDA, we commit ourselves to finding a sustainable approach within our business and we pride ourselves on employee well-being, community action and environmental protection. Going forward, we are committed to improving our impact on climate change through reducing our carbon footprint across the company.

We have committed to SustainIQ ESG Reporting Software for collecting emission data to implement within our current and future carbon monitoring and reduction plans.

We have also developed an accompanying 'Climate Action Strategy' which details our carbon reduction plans within the next 5 years. This document identifies key carbon hotspots within the business and details appropriate plans which will be put into place to reduce our carbon impact.

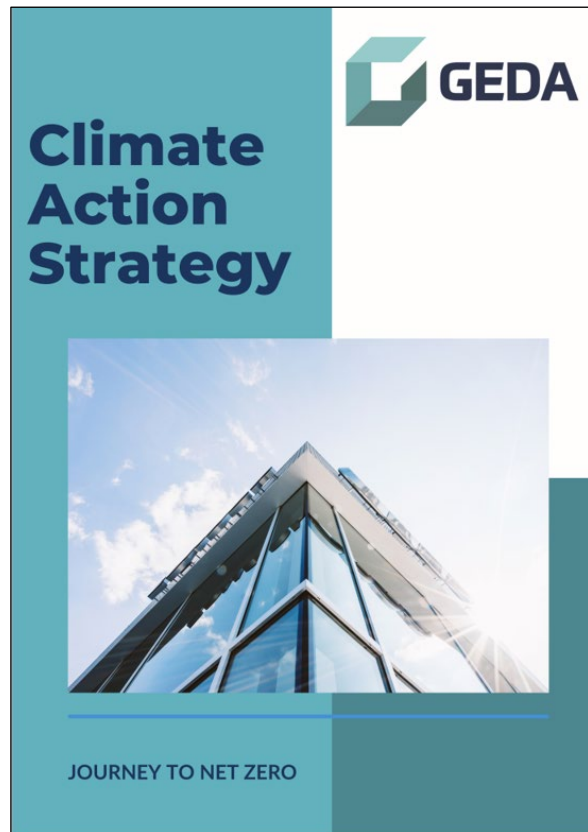


Figure 1: GEDA Construction's Climate Action Strategy

## 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.

GEDA Construction's emission data has been determined in accordance with the GHG Protocol's 'Corporate Standard' using the operational control approach and calculated using the UK Government's annual 'Carbon Conversion Factors' for reporting of GHG emissions.

The baseline year of 2021 was chosen as the beginning of our carbon reduction journey, as this is first instance of reported emissions within the business.

**Baseline Year: 2021 (January – December)**

**Additional Details relating to Baseline Emissions Calculations**

The base year includes emission data from January 2021 to December 2021 to fall in line with GEDA’s financial reporting year and to reflect our most recent year before carbon reduction measures introduced.

Some carbon emission categories have had to be estimated due to the availability of data and therefore may not be wholly accurate. This will be indicated. Any estimations were made using averages from the data that was available and then scaling by appropriate measures to provide an estimation of carbon emissions.

Going forward, SustainIQ will be used to accurately record carbon data from all areas within our company for reliable and accurate carbon reporting.

Below shows the categories in which carbon emissions were measured within the company according to scopes 1,2 and 3.

<b>Scope 1 (Direct)</b>	Fuel used within our offices for heating purposes
	Fuel used on our active construction sites
	Company vehicle fuel consumption
<b>Scope 2 (Indirect)</b>	Electricity consumed within our offices
	Electricity consumed on our active sites
<b>Scope 3 (Indirect)</b>	5. Waste generated in our operations on site (including optional transportation)
	6. Business travel in non-company vehicles e.g., aircraft, hire cars, employee mileage
	7. Emissions from employee commuting

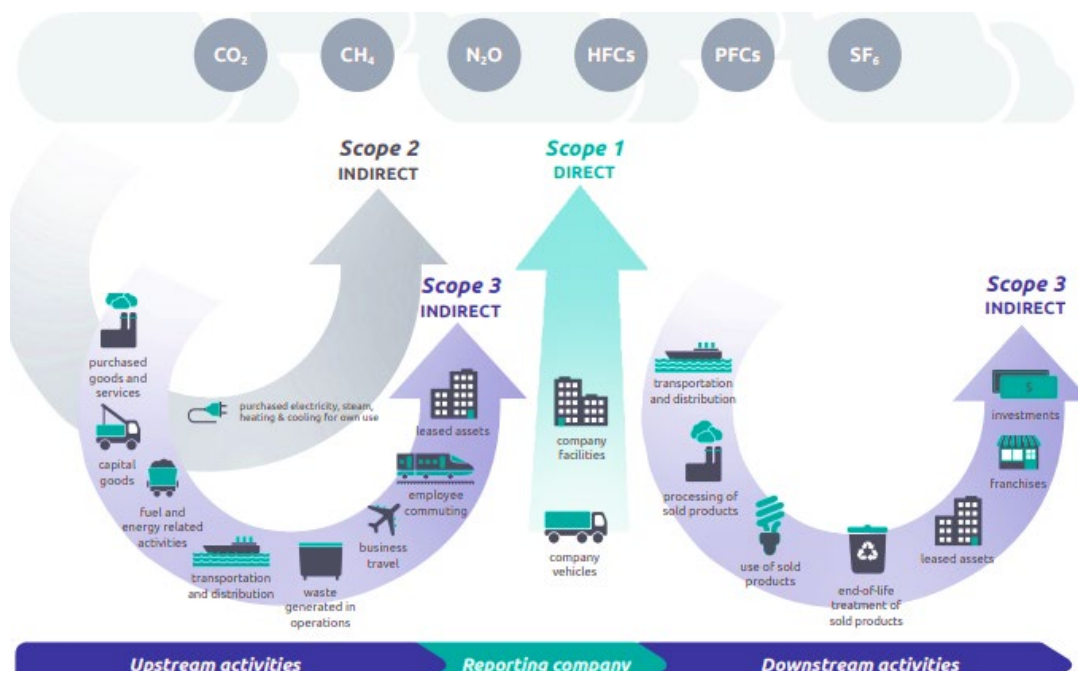


Figure 2: Overview of GHG Protocol scopes and emissions across the value chain. Source: GHG Protocol 'Corporate Value Chain Accounting and Reporting Standard

According to guidance in the GHG Protocol 'Corporate Value Chain (Scope 3) Accounting and Reporting Standard,' and the UK Government's 'Technical standard for Completion of Carbon Reduction Plans,' scope 3 emission categories 5, 6 and 7 have been chosen as they signify the most relevant GHG emissions and reduction opportunities.

Categories 4 and 9 are not included as they are either outside the operational approach or do not reflect a significant reduction opportunity within the business, as per the guidance in chapter 6 and 7 of the GHG Protocol 'Corporate Value Chain (Scope 3) Accounting and Reporting Standard'.

## Baseline Emissions and Current Emissions Reporting

Baseline Year: 2021	
Emissions	Total (tCO <sub>2</sub> e)
<b>Scope 1</b>	
Office Fuel	26.7
Site Fuel*	607.4
Vehicle Fuel	240.8
<b>Scope 1 Total:</b>	<b>874.9</b>
<b>Scope 2</b>	
Office Electricity	15.2
Site Electricity*	87.2
<b>Scope 2 Total:</b>	<b>102.4</b>
<b>Scope 3</b>	
6: Business Travel	174.6
6.1 Air/Sea Travel	89.1
6.2 Car Hire*	27.6
6.3 Business Mileage	57.9
7. Employee Commuting*	181.0
<b>Scope 3 Total:</b>	<b>355.6</b>
<b>Total Emissions</b>	<b>1,332.9</b>

\*Data includes estimates

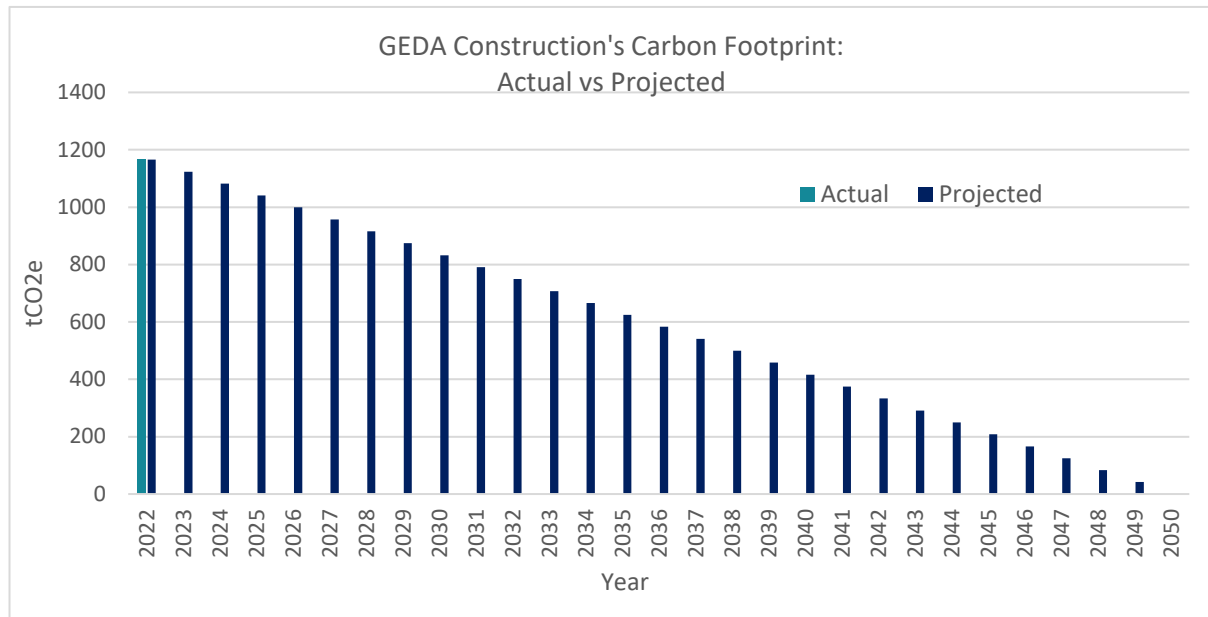
Reporting Year: 2022	
Emissions	Total (tCO <sub>2</sub> e)
<b>Scope 1</b>	
Office Fuel	23.2
Site Fuel	513.2
Vehicle Fuel	317.3
<b>Scope 1 Total:</b>	<b>853.7</b>
<b>Scope 2</b>	
Office Electricity	13.9
Site Electricity*	34.4
<b>Scope 2 Total:</b>	<b>48.3</b>
<b>Scope 3</b>	
6: Business Travel	162.5
6.1 Air/Sea Travel	91.7
6.2 Car Hire	16.0
6.3 Business Mileage	54.8
7. Employee Commuting*	101.1
<b>Scope 3 Total:</b>	<b>263.6</b>
<b>Total Emissions</b>	<b>1,165.6</b>

\*Data includes estimates

## Emissions Reduction Targets

At GEDA we have always been passionate about reducing our environmental impact through company practise and policy, and a carbon reduction plan will only strengthen this outlook by reducing our carbon emissions.

Between the baseline year of 2021 and the current reporting year of 2022, there was a 13.4% decrease in GEDA’s carbon footprint, equating to 167.3 tCO<sub>2</sub>e. GEDA intend to continue our journey to achieving Net Zero through a continuous carbon footprint reduction trend as estimated below:



## Carbon Reduction Projects

The following carbon reduction measures were implemented within our environmental management system prior to the 2021 baseline year, helping to contribute to carbon footprint reduction outside of a formal carbon reduction plan:

- Certification with ISO14001.
- Solar panels installed at head office which provide an average of 9,000 kWh per year.
- Motion sensor LED lighting at head office for energy saving.
- Hybrid working approach for office employees where feasible.
- Implementation of video conferencing within company culture.
- Climate change awareness training for all employees.
- Completion of an ESOS report to identify areas of the business to reduce energy usage.
- Litter picks in conjunction with our projects in the East Midlands.
- Silver award with EcoVadis platform.

As part of the carbon reduction plan, we hope to implement further measures such as:

- Phasing out petrol/diesel company vehicles in favour of an electric/hybrid fleet.
- Installation of EV charging points at our offices for hybrid/electric car charging.
- Implementation of green plant alternatives and site welfare units to reduce energy usage.
- Electricity on our sites and offices sourced from renewable energy suppliers.
- Annual reporting of carbon emissions.
- Incorporation of energy audits on site.
- Reduce waste produced on site using the waste hierarchy (reduce, reuse, recycle).
- Further encouragement of video conferencing and hybrid working as an alternative to employee travel.
- Continual involvement in environmental conservation activities such as tree planting and litter picking.
- Employee education surround climate change, waste, and environmental good practise.
- Creation of a sustainability forum within the company.

All of which is detailed within our Climate Action Strategy.


## 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 13 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:



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Date: 01/10/2023