



GEDA

PPN 06/21

Think Construction
Think Civils
Think GEDA

Carbon Reduction Plan

Supplier Name: GEDA Construction

Publication Date: 28th June 2024

Commitment to Achieving Net Zero

GEDA Construction are 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 determined to improve 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.

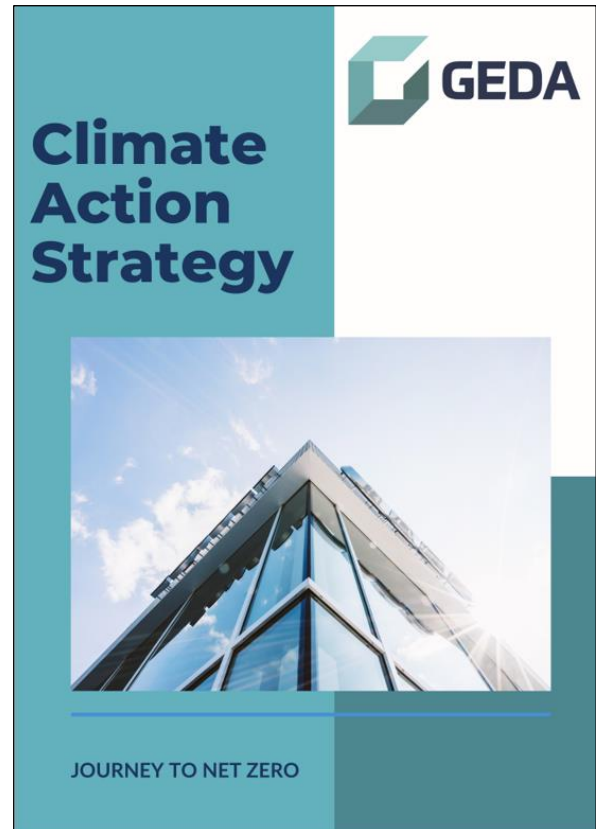


Figure 1: GEDA Construction's Climate Action Strategy

Commitment to Science Based Target Initiative

In June 2024, GEDA Construction committed to the Science Based Target Initiative. Setting a near-term target for 2030, GEDA pledged to achieve a 42% reduction in Scope 1 & 2 emissions from a 2023 baseline year. A 2023 baseline year was chosen for the purposes of the Science Based Target Initiative, as between the 2021 baseline year chosen for this carbon reduction plan and 2023, a 41% reduction in Scope 1 and 2 Emissions had already been achieved.

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been previously produced and were produced prior to the introduction of 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 were introduced. As per GHG Protocol’s ‘Corporate Standard’ guidance in Chapter 5 on the recalculation of baseline years to account for calculation methodology and improvements in data accuracy, GEDA Construction have added estimated values for Scope 3 Waste Emissions for the 2021 baseline year; in retrospect of 2023 data which have been accurately measured using SustainIQ software.

Other carbon emission categories such as site fuel and electricity were estimated due to the availability of data and therefore may not be wholly accurate. This is 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 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.

Scope 1 (Direct)	Fuel used within our offices for heating purposes
	Fuel used on our active construction sites
	Company vehicle fuel consumption
Scope 2 (Indirect)	Electricity consumed within our offices
	Electricity consumed on our active sites
Scope 3 (Indirect)	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

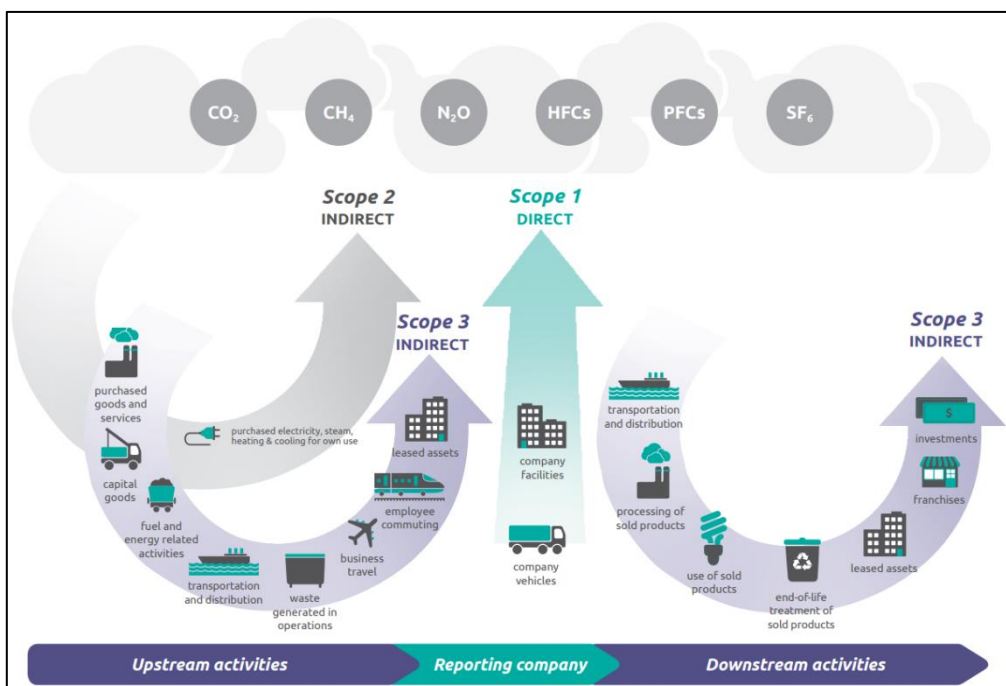


Figure 2: Overview of GHG Protocol scopes and emissions across the value chain. Source: GHG Protocol 'Corporate Value Chain Accounting and Reporting Standard

In accordance with 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 to our current business operations.

Scope 3 Categories 4 and 9 have not been included in carbon footprint calculations up to including 2023, due to a lack of data availability. The implementation of a new 'Business Central' procurement system from January 2024 onwards, will now allow GEDA to track upstream and downstream transport & distribution within Scope 3 emissions breakdown: as per PPN 06/21 technical standards.

Other Scope 3 Categories such as sold products, leased assets, investments and franchises have been intentionally excluded from Scope 3 calculations following guidance in Chapter 6 and 7 of the GHG Protocol 'Corporate Value Chain (Scope 3) Accounting and Reporting Standard', as they fall outside of business operations and company boundaries.

Baseline Year Emissions Reporting

Baseline Year: 2021	
Emissions	Total (tCO ₂ e)
Scope 1	
Office Fuel	26.7
Site Fuel*	607.4
Vehicle Fuel	240.8
Scope 1 Total:	874.9
Market Based Scope 2	
Office Electricity	15.2
Site Electricity*	87.2
Scope 2 Total:	102.4
Scope 3	
Categories	
5. Waste*	187.6
6: Business Travel	174.6 (total)
6.1 Air/Sea Travel	89.1
6.2 Car Hire*	27.6
6.3 Business Mileage	57.9
7. Employee Commuting*	181.0
Scope 3 Total:	543.2
Total Emissions	1,520.5
Emissions per 100k turnover	2.586

*Data includes estimates

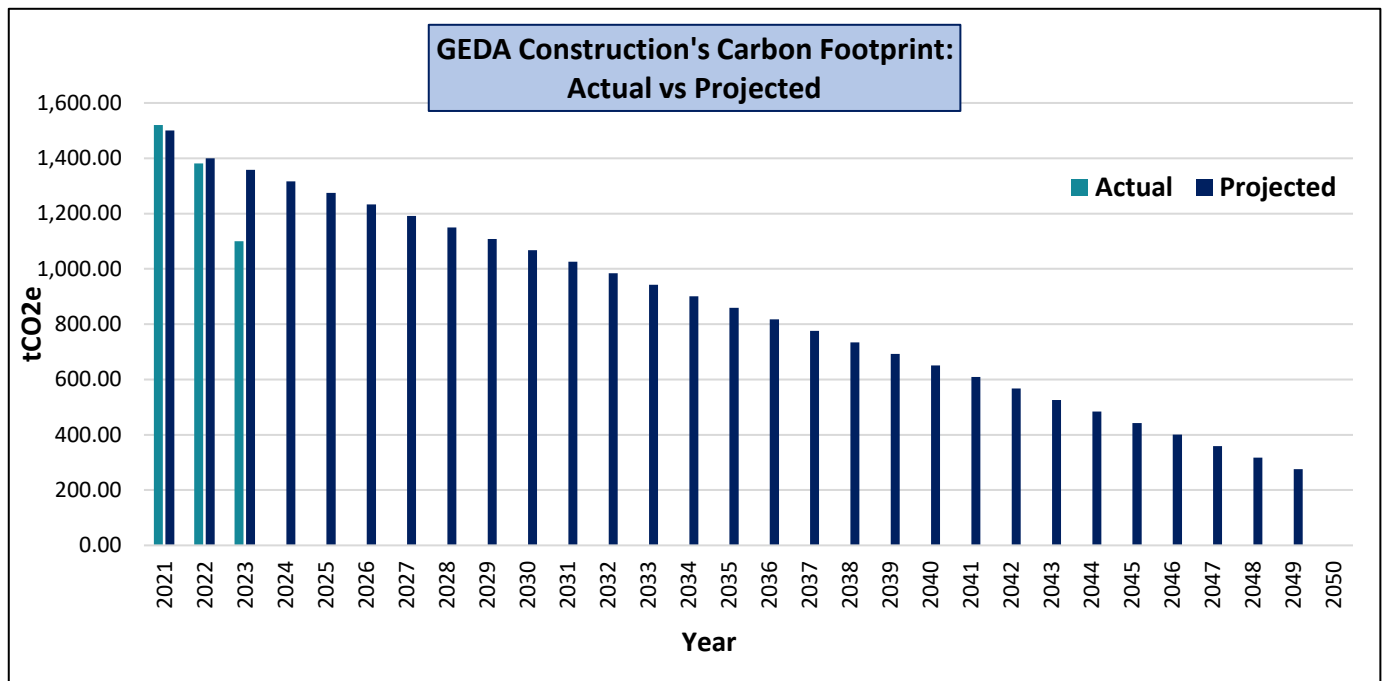
Current Year Emissions Reporting

Reporting Year: 2023	
Emissions	Total (tCO ₂ e)
Scope 1	
Office Fuel	24.32
Site Fuel	427.58
Vehicle Fuel	102.27
Scope 1 Total:	554.17
Market Based Scope 2	
Office Electricity	4.08
Site Electricity	7.43
Scope 2 Total:	11.51
Scope 3	
Categories	
5. Waste	315.00
6: Business Travel	166.55 (total)
6.1 Air/Sea Travel	87.24
6.2 Car Hire	10.30
6.3 Business Mileage	69.01
7. Employee Commuting	53.29
Scope 3 Total:	534.84
Total Emissions	1100.35
Emissions per 100k turnover	1.115

Emissions Reduction Targets

At GEDA Construction, we have always shared a strong passion for reducing 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 2023, there has been a 27.6% reduction in GEDA's Carbon Footprint, equating to 420.2 tCO₂e. GEDA intend to continue our journey towards Net Zero through the continuous carbon footprint reduction trend 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 10,000 kWh per year.
- Rainwater harvesting system installed at head office for recycling into greywater system.
- 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.
- 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.

As part of this carbon reduction plan, we plan 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 Plug-in hybrid/electric car charging.
- Implementation of renewable plant and site welfare alternatives to reduce energy usage.
- Implementation of biofuels such as HVO as an alternative to white diesel.
- Electricity on our sites and offices sourced from renewable energy suppliers.
- Incorporation of energy scoring into site audits.
- Reduce waste produced on site using the waste hierarchy (reduce, reuse, recycle).
- Further encouragement of video conferencing and hybrid working to reduce employee travel.
- Continual involvement in environmental conservation activities such as tree planting and litter picking with volunteering groups.
- Employee education surrounding climate change, waste, and environmental good practise.
- Silver award with EcoVadis platform.
- “Adopt a Plant” Scheme introduced to employees in company offices.
- Northern Ireland Environmental Benchmarking Survey Participation.
- Annual reporting of carbon emissions through commitment to SustainIQ software.
- External verification of carbon footprint through ISO 14064.

All the actions above are detailed within a 5-year roadmap contained within GEDA’s separate Climate Action Strategy document.

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 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’ and uses the appropriate government emission conversion factors for greenhouse gas company reporting.

This Carbon Reduction Plan has been reviewed and signed off by the company board of directors.

Name: **Tania McCartan**

Signed on behalf of the Supplier:



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Date: **28/06/2024**