

# Carbon Reduction Plan

Grainge Architects Ltd  
Version 1.0

November 2024

# Carbon Neutral Status & commitment to achieving Net Zero

## About our Plan

The Scope of Grainge Architect's Carbon Reduction Plan is as defined by the GHG Protocol Corporate Standard. In addition to measuring against their Scope 1 and 2 boundaries, we have established further voluntary Scope 3 boundaries for aspects that we have some influence over.

## Introduction

Grainge Architects employs 25-30 people, working out of our single office in central Exeter.

With the built environment being a dominant contributor to carbon emissions in the UK and globally, Grainge Architects are committed to playing our part in decreasing the sector's environmental impact now and into the future.

We welcome the opportunity to demonstrate to the UK Government and to our clients our commitment to managing carbon across the Grainge Architect's operations.

## Our Commitment

IPCC studies have highlighted the importance of businesses making a difference in the next 5 years before changes to the climate are irreversible. With this in mind Grainge Architects have taken steps to become certified Carbon Neutral in order to pro-actively impact our impact now - when it is the most important - whilst also working on our staged plan to become Net Zero by 2050.

This Carbon Reduction Plan is in its first full year and sets out our ongoing journey to net zero.

Our targets are centred on a 50% reduction in our Green House Gas (GHG) emissions by 2030 with a transition to Net Zero by 2050, in line with the Climate Change Act.



# Baseline emissions footprint

## Baseline Year

Our baseline reporting period is September 2023 - August 2024.

This sets out the reference point against which reductions in emissions are measured. In practice, Grainge Architect's have been implementing carbon reduction measures prior to the formal baseline calculations were undertaken.

## Operational Control

Emissions have been calculated using the approach of 'operational control'. This means we have accounted for 100 percent of the GHG emissions from operations over which Grainge Architects has full financial control.

## Total Baseline Emissions

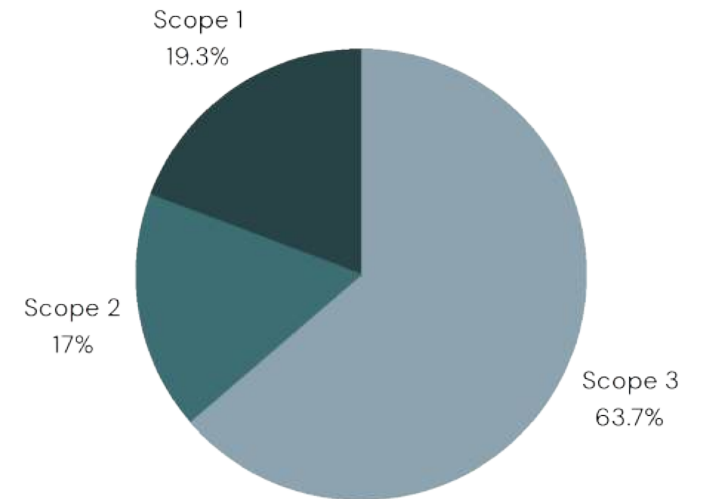
43.69 tonnes CO<sub>2</sub>e\*

Baseline year emissions			
Emissions	Total		
Scope 1	8.41 tonnes CO <sub>2</sub> e	Direction Emissions	Includes mains gas, company leased vehicles
Scope 2	7.44 tonnes CO <sub>2</sub> e	Energy Indirect	Office electricity usage, electric vehicles
Scope 3	27.83 tonnes CO <sub>2</sub> e	Other Indirect	Business travel, staff commute, organisational waste and water, off-site events, work from home allowance.
<b>Total</b>	<b>43.69 tonnes CO<sub>2</sub>e*</b>		

## Summary

As might be expected for an office-based business, in our baseline year, Scope 3 emissions are dominant making up over 60% of our total emissions. This is mainly due to the proportionally small amount of energy used to keep an office running compared to the carbon used in business travel and staff commuting.

\*CO<sub>2</sub>e (Carbon Dioxide Equivalent). Calculations undertaken by Carbon Neutral Britain, working to ISO 14064:1-2018 and GHG Emissions Protocol Accounting and Reporting Standards and using information provided via extensive engagement with Grainge Architects.



# Current reporting year: 2024

## First Reporting Year

Our baseline reporting period is September 2023 - August 2024.

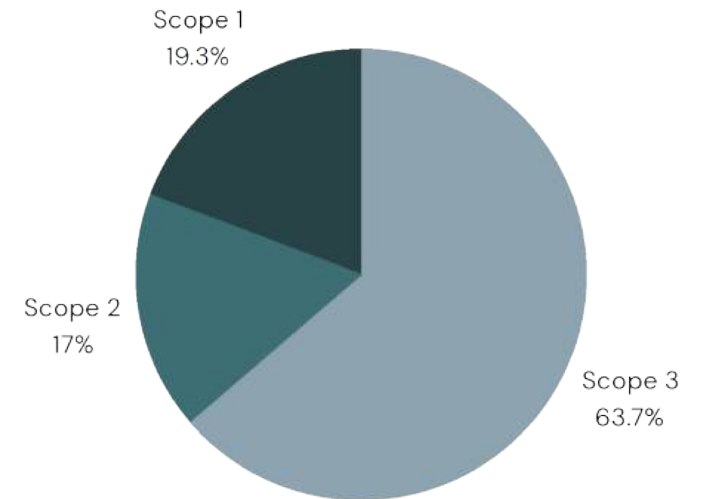
We are currently collating data ahead of our first post-baseline reporting year.

Our current reporting data will replicate our baseline year until calculations can be completed for Sept 2024 - August 2025.

### Current year emissions

Emissions	Total		
Scope 1	8.41 tonnes CO2e	Direction Emissions	Includes mains gas, company leased vehicles
Scope 2	7.44 tonnes CO2e	Energy Indirect	Office electricity usage, electric vehicles
Scope 3	27.83 tonnes CO2e	Other Indirect	Business travel, staff commute, organisational waste and water, off-site events, work from home allowance.

**Total** 43.69 tonnes CO2e\*



\*CO2e (Carbon Dioxide Equivalent). Calculations undertaken by Carbon Neutral Britain, working to ISO 14064:1-2018 and GHG Emissions Protocol Accounting and Reporting Standards and using information provided via extensive engagement with Grainge Architects.

# Working towards Net Zero

## Science Based Targets

As part of the 2015 Paris Agreement, world governments committed to curbing global temperature rise to well-below 2°C above pre-industrial levels, and pursuing efforts to limit warming to 1.5°C. In 2018, the IPCC warned that global warming must not exceed 1.5°C to avoid the catastrophic impacts of climate change.

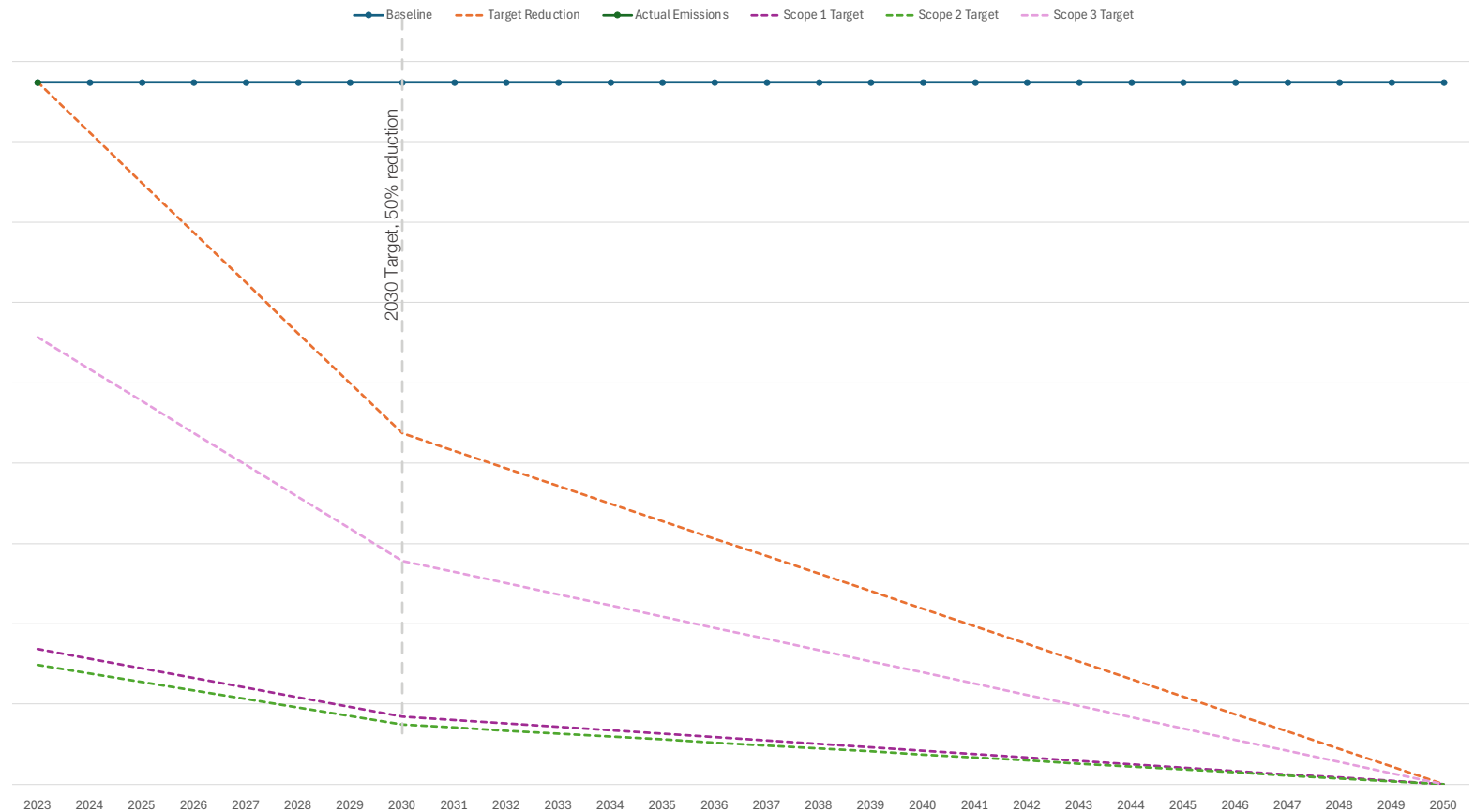
In order to align with these Science Based Targets, Grainge Architects Ltd are committed to reducing half of our GHG emissions by 2030, and to achieve Net Zero by 2050.

## Tracking our progress

The graph indicates the reduction required to meeting our target of 50% reduction by 2030 and Net Zero by 2050.

As we progress, a solid line will track our actual emissions in Scopes 1, 2 and 3 against the dashed line targets.

In line with these targets, we project that carbon emissions will decrease over the next five years to 24.97 tCO<sub>2</sub>e by 2029. This is a reduction of 43%

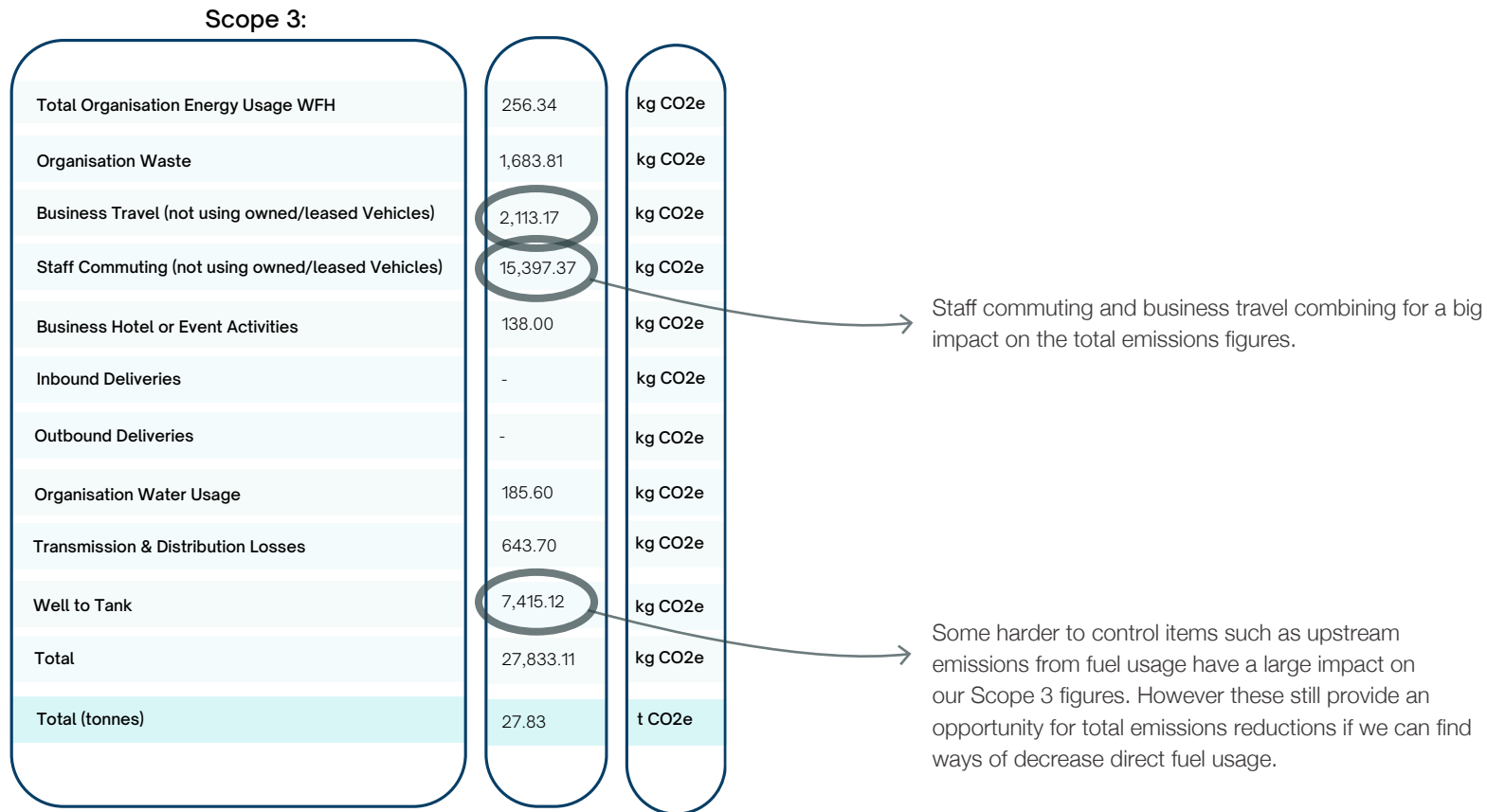


# Scope 3 Emissions

As expected for an office-based business, Scope 3 emissions make up a large portion of our total emissions.

Scope 3 emissions are more difficult to control - with some factors outside of our influence impacting our total performance.

However some areas, such as Staff Commuting and Business Travel, are easier to monitor and provide items on which we can target to reduce our Scope 3 emissions.



# Carbon Reduction Initiatives

## Targeted Reduction

Our baseline year of reporting identifies a number of key areas where we can make the most impactful reductions in emissions.

The three largest direct emission sources are:

1. Staff Commuting  
15.40 tCO<sub>2</sub>e  
(35% of total emissions)
2. Energy Usage on Site  
5.20 tCO<sub>2</sub>e  
(12% of total emissions)
3. Company Owned/Leased Vehicles  
4.85 tCO<sub>2</sub>e  
(11% of total emissions)

## A 2023/2024 summary of key carbon reduction initiatives:



### Staff Awareness

Encouragement of sustainable commuting options; ride-sharing, walking, cycling. This works well for our office located in central Exeter with good cycle, walking and public transport links. However it is difficult to impact members who live further away (which is inevitable due to the rural nature of South Devon when outside of main towns and cities).



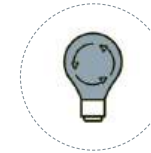
### Hybrid Working

Continuing to support flexible working arrangements where appropriate.



### Company Vehicles

Electric / Hybrid Vehicles: 100% of company owned/leased vehicles are already electric or hybrid.



### Electricity Consumption

Decreasing electricity consumption through smarter energy management systems and more efficient equipment and lighting.



### Website hosting

Powered by 100% renewable energy via Krystal web hosting.

Graphics from Vecteezy.com

# Declaration

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>13</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<sup>14</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>15</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:



For and on behalf of Grainge Architects:  
1st November 2024



James Brookes  
(Director)



Tony Pollintine  
(Director)



Andrew Field  
(Director)



Rob Franklin  
(Director)



# grainge architects

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