

# Carbon Reduction Plan

Supplier name: Farrans Construction

Publication date: 01/04/25

## Commitment to achieving Net Zero

Farrans is committed to achieving Net Zero emissions across Scope 1, 2 & 3 by 2050.

## Baseline Emissions Footprint

In 2024 Farrans decided to re-baseline, following enrolment in the Achilles Carbon Reduce Programme and ISO 14064-1 certification.

The decision to re-baseline was made due to the new data sources available to Farrans, including new categories of Scope 3 data.

Our new baseline emissions are more reliable record of the greenhouse gases that have been produced by Farrans during 2024. Our baseline emissions are the reference point against which future emissions will be measured, in accordance with Achilles Carbon Reduces and ISO 14064-1.

Baseline Year: 2024
Additional Details relating to the Baseline Emissions calculations.
Farrans has been measuring its carbon footprint since 2019. In 2019 Farrans established a GHG baseline and had reported carbon emissions through the Streamlined Energy Carbon Report (SECR). The SECR report was introduced in the UK in 2019 to support businesses in understanding their carbon emissions and to help them establish plans to become Net Zero by 2050.
In 2021, Farrans acknowledged the Climate Change Emergency, creating a company carbon management plan, outlining ambitious goals to reduce its carbon emissions across the company with a key focus to:
<ol style="list-style-type: none"><li>1. Reduce operational energy use – through improvements in the energy efficiency, maintenance, repair and refurbishment</li><li>2. Source alternative fuels with lower emissions for use in projects and transport</li><li>3. Increase renewable energy supply for projects, staff accommodation and offices</li><li>4. Improve site practices to reduce waste &amp; disposal to deliver carbon savings from material re-use and reduced transportation</li><li>5. Work with local supply chains and purchase materials locally to reduce scope 3 transportation</li><li>6. Assess Farrans fleet to ensure efficiency and reduced business travel emissions</li></ol>

Farrans decided to re-baseline in 2024 with better accuracy of data and more available data sources for Scope 3 emissions. Farrans felt it was important to verify the data being gathered and reported and enrolled in the Achilles Carbon Reduce Programme.

Farrans is guided by PPN06/21 compliance, ISO 14064-1 compliance, Achilles Carbon Reduce, the United Nations Sustainable Development Goals and a Science Based Target, as well as other voluntary external initiatives including Business in the Community's Climate Action Pledge.

Our carbon footprint consists of emissions in our direct control (Scope 1 and 2) and emissions that we can influence (Scope 3). Our carbon emissions are generated from our permanent premises and at various points in the construction and build of our engineering projects. Using Toitu Emanage we are able to understand where our emissions are generated, enabling us to focus on opportunities to make reductions.

Data is key to understanding where we are in our journey to eliminate carbon. We are actively participating in the ESOS - Energy Savings Opportunities Scheme to identify available opportunities to reduce our consumption rates through practical application of the energy hierarchy.

Baseline year emissions: 2024

EMISSIONS	TOTAL (tCO2e)
Scope 1	5,935 tCO2e
Scope 2	273 tCO2e
Scope 3(*Included sources)	5,041 tCO2e
Total Emissions	11,249 tCO2e

\*Included Sources for 2024

GHG Protocol Categories

- 5. Waste Generated in operations
- 6. Business Travel
- 7. Employee Commuting
- 4. Upstream transportation and distribution
- 9. Downstream transportation and distribution

## Previous Emissions Reporting

Baseline year emissions: 2019

EMISSIONS	TOTAL (tCO2e)
Scope 1	3,664 tCO2e
Scope 2	329 tCO2e
Scope 3(6. Business Travel)	885 tCO2e *
Total Emissions	4,878 tCO2e

Reporting Year: 2020

EMISSIONS	TOTAL (tCO2e)
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Scope 1	3,561 tCO <sub>2</sub> e
Scope 2	509 tCO <sub>2</sub> e
Scope 3(6. Business Travel)	541 tCO <sub>2</sub> e
Total Emissions	4,611 tCO <sub>2</sub> e

Reporting Year: 2021	
EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	3,272 tCO <sub>2</sub> e
Scope 2	457 tCO <sub>2</sub> e
Scope 3(6. Business Travel)	565 tCO <sub>2</sub> e
Total Emissions	4,294 tCO <sub>2</sub> e

Reporting Year: 2022	
EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	4,478tCO <sub>2</sub> e
Scope 2	194 tCO <sub>2</sub> e
Scope 3(6. Business Travel)	822 tCO <sub>2</sub> e
Total Emissions	5,514tCO <sub>2</sub> e

Reporting Year: 2023	
EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	3,386 tCO <sub>2</sub> e
Scope 2	146 tCO <sub>2</sub> e
Scope 3(6. Business Travel, 5. Waste Transport)	1,081 tCO <sub>2</sub> e
Total Emissions	4,467 tCO <sub>2</sub> e

## Re-baselined Year 2024\*\*

Reporting Year: 2024	
EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	5,935 tCO <sub>2</sub> e
Scope 2	273 tCO <sub>2</sub> e
Scope 3(Included sources*)	5,041 tCO <sub>2</sub> e
Total Emissions	11,249 tCO <sub>2</sub> e

\*Included Sources for 2024

GHG Protocol Categories

4. Upstream transportation and distribution
5. Waste Generated in operations
6. Business Travel
7. Employee Commuting
9. Downstream transportation and distribution

\*\*Externally verified by Achilles Carbon Reduce Programme, certified to ISO 14064-1 standards

# Scope 3 Emissions

Following a scope 3 road mapping exercise we have identified the 5 categories from the GHG Protocol that apply the most to our business and prioritised the categories we must report on in compliance with the PPN06/21. During 2024 we developed our reporting on;

4. Upstream transportation and distribution
5. Waste Generated in operations
7. Employee Commuting
9. Downstream transportation and distribution

We achieved this by;

- Collection mileage data on the transportation and distribution of products purchased by Farrans in the reporting year.
- Working towards one waste supplier across our operations to increase the detail and reliability of our waste data, using one national provider with an online portal for data collection.
- Introduced an employee commuting survey to capture annual mileage for staff travelling to and from our offices, not including in business mileage claims.
- Collated data for our downstream transportation and distribution from haulage providers, using Toitu's Spend estimation tool to calculate the estimated TC02e generated from our external haulage companies.
- We also improved our collection of business travel data, including air travel, hotel stays, public transport and business miles travelled in employee-owned vehicles.

# Performance against baseline

New Baseline Year 2024

11,249 tCO<sub>2</sub>e

The nature of Farrans business is construction and this means that the business portfolio changes every year and tracking energy use imposes a number of challenges, for example, both the number and size of projects and the ratio of projects changes: i.e. building more roads than buildings. The more successful the business is the more energy it consumes.

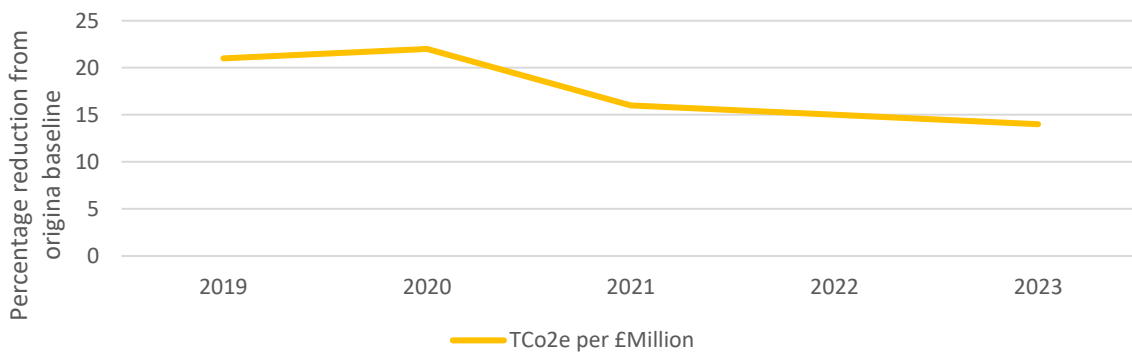
- 2024 – 28.7Tonnes of CO<sub>2</sub>e per £million turnover

Farrans has put significant effort into understanding and improving data collation and its verification. With a dynamic portfolio of projects, improved records and increased categories of Scope 3 emissions Farrans has seen a significant increase in total emissions.

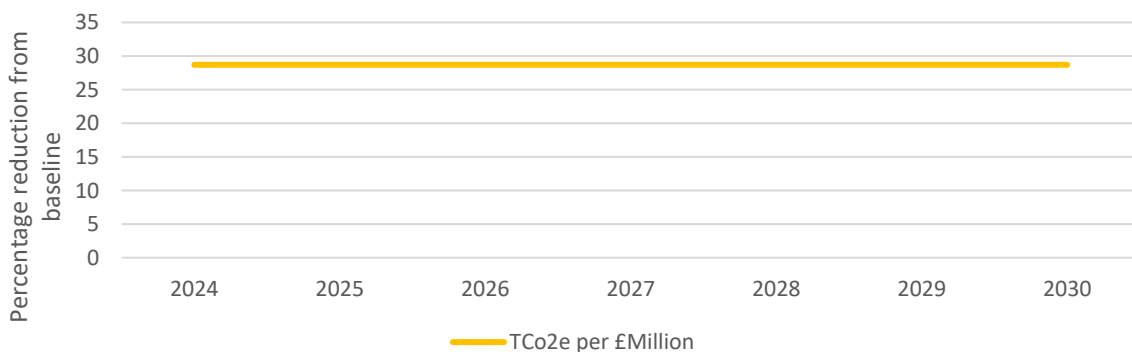
Farrans have invested in energy saving initiatives, hybrid generators, solar panels for buildings and they have made steps in the use of electric vehicles and the use of HVO to decarbonise.

Year on year comparisons are more difficult with Farrans as the portfolio of projects is in a constant state of change. The key in 2024 has been a steady push to improved data which means that the energy used is more comprehensive and complete and this year has led to Farrans reporting all Scope 3 categories to ensure compliance with PPN06/21 guidelines.

### Farrans Tonnes CO<sub>2</sub>e per £million



### New Baseline - Farrans Tonnes CO<sub>2</sub>e per £million

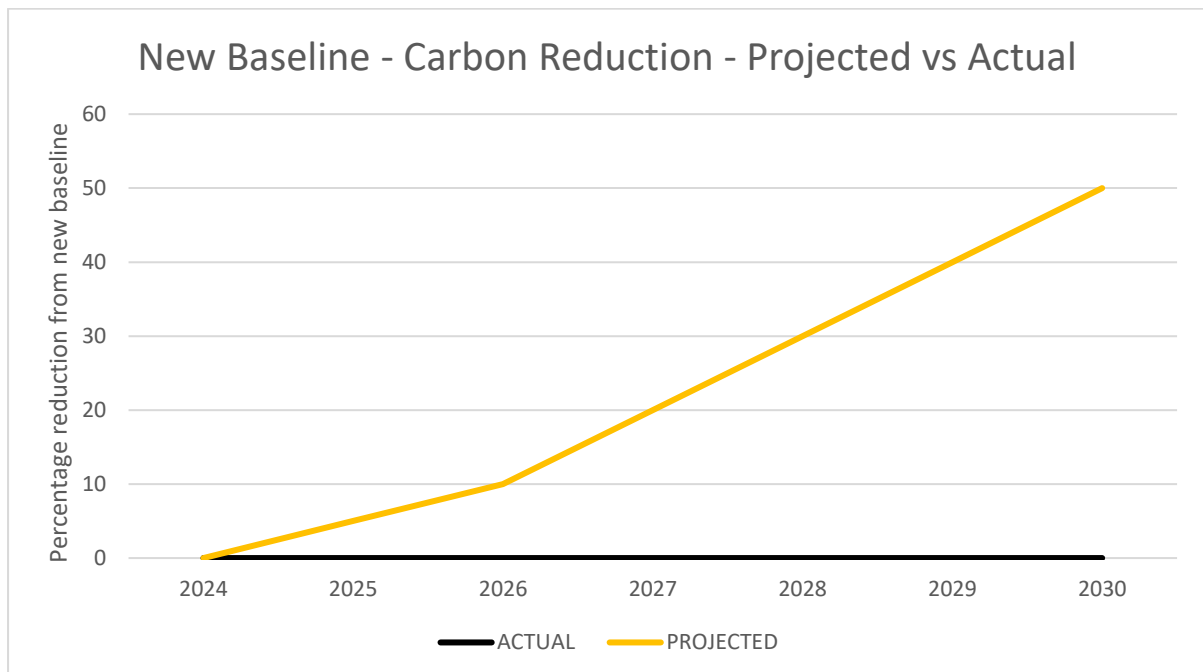
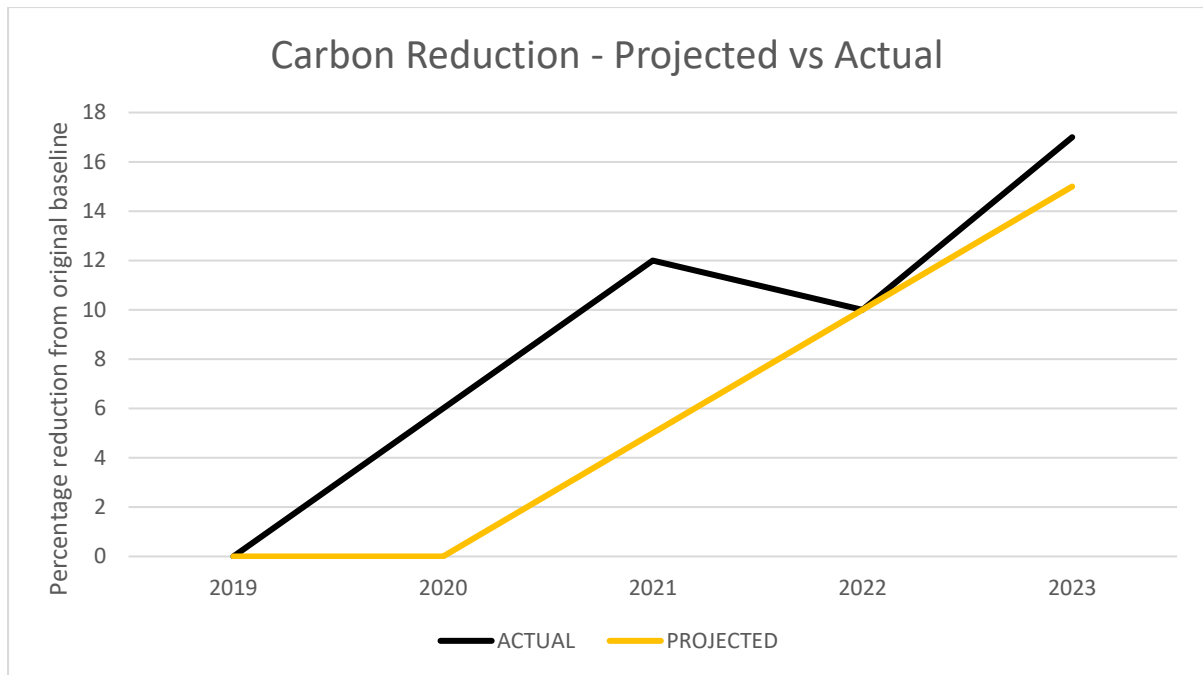


# Emissions reduction targets

In order to continue our progress to achieving Net Zero, we have enrolled in the Achilles Carbon Reduce Programme to accurately plan and implement reduction strategies and use the Toitu Emanage software to track Farrans progress.

Our goal is to reduce Scope 1 and 2 emissions by 50% by 2030, meaning a decrease of 3,103tCO<sub>2</sub>e by 2030.

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



# Carbon Reduction Projects

We continue to implement our ISO 14001 environmental management system and ESOS action plan energy reduction projects and have implemented carbon reduction projects to drive down Farrans overall emissions through the following:

- Improve energy efficiency of fixed and temporary buildings, including the use of hybrid generators
- Educate, promote awareness and encourage change in all aspects of our business i.e. commuting
- Mains Connections / Alternative temporary energy for our sites and additional solar integration
- Replace Diesel and other fuels for a low carbon alternative i.e. HVO
- Continue to reduce / change travel habits
- Increase electric charging points available to staff and site vehicles
- Dehumidifiers in drying rooms and energy tracking
- The use of better EPC rated accommodation

Our carbon reductions will be achieved by making better energy saving decisions, following analysis of our energy use across the company, including the use of Battery storage units and the replacement of diesel with a low carbon alternative. We have also cut our carbon by working more efficiently through digital platforms and reducing unnecessary travel and commuting with a change of company policy to facilitate more flexible working arrangements.

We have set ourselves some tough future targets to deliver on our long-term commitments to eliminate operational CO<sub>2</sub>e and contribute to climate positivity through partnership programmes.

- 50% Reduction in CO<sub>2</sub>e Scope 1 and 2 by 2030.
- Net Zero 10 years early, by committing to the Climate Pledge. By 2040 we aim to be Net Zero in our Scope 1 and 2.
- We will work closely with our entire supply chain to ensure we are Net Zero throughout our value chain by 2045 (Scotland) and 2050 (UK & ROI).

In our journey to become a net zero business we will confirm our carbon promises through several global pledges to publicly report on our carbon reduction progress and give our workforce, our clients and our communities confidence in our commitments.

- Support 3 out of 17 2030 UN Sustainable Development Goals related to the environment including Goal 13, 14 & 15: Climate Change, Life on Land, Life in Water
- Sign Business Ambition for 1.5°C letter, with our commitment listed by the UN Global Compact as we take part in the Race to Zero.
- Commit to the Climate Action Pledge
- Align our commitments to CLC Construct Zero, PAS 2080, Achilles Carbon Reduce, ISO 14064, the UK Carbon Budget and the GHG Protocol

# 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, ISO 14064-1 and the GHG Reporting Protocol corporate standard and uses the appropriate Government emission conversion factors for greenhouse gas company reporting.

Scope 1 and Scope 2 emissions have also 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:

Date: 01/04/25



**Dominic Lavery**

Managing Director