

Carbon Reduction Plan 2024

Working towards net
zero carbon by 2030

Supplier Name: F. Parkinson Limited

Publication Date: 19th June 2024

Introduction

F. Parkinson are an award-winning construction company operating throughout the North of England. We specialise in delivering new build and refurbishment projects across a range of sectors including commercial, education, health, heritage and leisure for both public and private sector clients.

Commitment to achieving Net Zero

F. Parkinson Limited is committed to achieving Net Zero emissions by 2030.

We are dedicated to delivering our projects with minimal impacts on the environment, and we work closely with our clients, design teams and supply chains to implement good practice across all our sites. Our environmental management system is fully accredited to ISO:14001, and we implement a detailed Construction Environmental Management Plan (CEMP) for every project, including site-specific targets and procedures for minimising carbon, waste, energy, and water consumption.

We are highly experienced in delivering low-carbon developments and identify opportunities to minimise carbon emissions from the construction phase and running of our buildings at the outset. We identify opportunities to retain, re-use and recycle existing features, promote MMC and off-site manufacture, increase the insulation of the building, and identify options for energy-efficient systems and green technologies.

F. Parkinson registers our sites with the Considerate Constructors Scheme and uses best practise initiatives for water and energy saving such as eco cabins and rainwater harvesting. We strive to reduce carbon emissions from both our site and head office activities, and we have implemented targets and procedures to support us in achieving our goal of Net Zero emissions by 2030.

Our processes and procedures have been developed to support the Government's UK Climate Change Act 2008, Carbon Plan, and Construction 2025: 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.

Baseline Year: 2022	
Additional Details relating to the Baseline Emissions calculations:	
<p>The Carbon Emissions detailed our Carbon Reduction Plan have been calculated in accordance with the Greenhouse Gas (GHG) Protocol Corporate Accounting and Reporting Standard, Scope 2 Guidance and Scope 3 Calculation Guidance.</p> <p>Please note, Category 9 - Downstream transportation and distribution remains as 0, as we do not manufacture and distribute products.</p> <p>F. Parkinson use the Construct CO2 tool to capture the usage of all water, power and fuel usage on site and in our offices, all miles travelled, and vehicle types used by staff to gain an accurate picture of our CO2 output.</p> <p>The data provided for Waste generated in operations has been collated from our Waste Providers, which includes all sites and regional offices.</p> <p>Please note that Scope 3 Upstream Transportation and Distribution is not currently measured due to current contract value threshold sitting outside of our typical project values and as an SME, the level of monitoring required for this scope is beyond our current capacity. We aim to include this information within the next 5 years.</p>	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	281.45
Scope 2	15.46
Scope 3 (Included Sources)	<ol style="list-style-type: none"> 1. Business travel 2. Employee commuting 3. Waste generated in operations 4. Fuel and energy related activities (not incl. in scope 1 or 2) 5. Downstream transportation and distribution (0) <p>Total: 123.98</p>
Total Emissions	420.89

Current Emissions Reporting

Reporting Year: 2023	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	191.63
Scope 2	13.52
Scope 3 (Included Sources)	<ol style="list-style-type: none"> 1. Business travel 2. Employee commuting 3. Waste generated in operations 4. Fuel and energy related activities (not included in scope 1 or 2) 5. Downstream transportation and distribution (0) Total: 82.73
Total Emissions	287.88

Emissions Reduction Targets

F. Parkinson are committed to reducing the emissions created by energy consumptions and travel by a minimum of 5% annually.

Within our 2023 plan we projected that carbon emissions will decrease over the next five years to 325.68 tCO₂e by 2027, providing a total reduction in emissions of 22%

We noted that the above figures are subject to fluctuations in the construction industry due to turnover and the type of works undertaken during that year.

Our 2023 results have surpassed this reduction target in our first year alone, having reduced our baseline of 420.89 tCO₂e to 287.88tCO₂e, i.e. a reduction of 133.01 tCO₂e (31.6%) in accordance with the graph overleaf

Therefore, noting that initial carbon reduction measures will have generated a large abnormal impact, it remains our intention to maintain or 5% annual carbon reduction, further reducing our emissions to **233.94** tCO₂e by 2027, providing a reduction in emissions of **44%**

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

F. Parkinson have implemented the following initiatives and measures to reduce our carbon footprint and assist us in achieving Net Zero by 2030:

- Company Environmental Management System fully accredited to ISO 14001.
- Site-specific Construction Environmental Management Plan (CEMP) which includes a project-specific Waste Management Plan ensuring we reduce, recycle, reuse and recover any waste materials, with disposal being the last resort.
- Commitment to our Sustainable Procurement Policy which prioritises the use of local suppliers and materials including those with higher recycled content/ lower embodied carbon/ lower embodied water/ minimal packaging.
- Careful consideration to the selection of construction methods, plant and equipment to minimise their impact on the environment. This could include eco-cabins, clean engines/ alternative power sources, maintained plant and greywater harvesting etc.
- Implementing a Green Travel Plan promoting the use of public transport, car sharing and cycling wherever possible.
- Promotion and use of remote meetings to minimise travel.
- Supporting our supply chain in meeting their own objectives through best practice advice, training and guidance.
- Displaying site posters illustrating energy usage statistics, promoting recycling, and demonstrating the damage of single use plastics to discourage their use.
- Mapping our resources to ensure a local site team are utilised.
- Providing site-based carbon reduction training to our employees and supply chain through our induction process and regular toolbox talks.



Certificate No - 3250
ISO 9001, ISO 14001, ISO 45001

Future Carbon Reduction Initiatives

Our future plans for reducing our Carbon Emissions include:

- All new company cars purchased to be hybrid/ electric vehicles, transition of all commercial vehicles by 2030.
- Continue to support and educate our supply chain in reducing carbon emissions.
- Targeting a minimum of a 75% local supply chain (within 25 miles), currently 70%.
- From 2023 onwards look to renewable energy sources for office gas/ electric supply.
- Eliminating the use of generators through connection to the mains grid for projects where power is not available from adjacent buildings.
- Installing better boilers and solar panels in our offices by 2030.
- Ensuring all IT equipment purchased is energy star rated.
- Transition to energy efficient plant by 2030.
- Commitment to paperless office by 2025 and paperless site operations by 2030.
- Commitment to planting trees in conjunction with the Forestry commission to offset our carbon emissions.



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 standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

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) Standard³.

This Carbon Reduction Plan has been reviewed and signed off by the board of Directors (or equivalent management body).

Signed on behalf of F Parkinson Ltd:



Name: Ray Eyre
Role: Managing Director
Date: 19th June 2024

¹ <https://ghgprotocol.org/corporate-standard>

² <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³ <https://ghgprotocol.org/standards/scope-3-standard>



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