

Carbon Reduction Plan

1st January 2024

Introduction

At Flannery Plant Hire, addressing the climate emergency is at the forefront of our carbon reduction plan, reflecting our unwavering dedication to sustainable practices. We are committed to not only reducing and optimising our resource use but also ensuring that our efforts contribute positively to people and communities. Through our strategic initiatives, we aim to deliver environmental net gain, reinforcing our role as leaders in fostering a resilient and sustainable future. This plan sets forth our proactive approach to minimise our carbon footprint, aligning with national environmental goals and enhancing the well-being of the ecosystems and communities we serve.

1. Overview of Sustainability Strategy and Alignment with UK Government Goals

Flannery Plant Hire is fully committed to achieving Net Zero carbon emissions by 2050, in line with UK Governments sustainability targets. Our strategy prioritises:

- **Responding to the Climate Emergency:** Targeting a 50% reduction in emissions by 2030 with a pathway to Net Zero by 2050.
- **Optimising Resource Use:** Generating solar energy to power our operations and exporting surplus energy back to the grid.
- **Benefiting People and Communities:** Supporting local employment initiatives and collaborating with SMEs to drive environmental and social well-being.

We ensure that our sustainability actions not only align with the UK Government goals but also contribute to national and global climate efforts.

2. Baseline Emissions Footprint

Baseline emissions are a comprehensive record of the greenhouse gases we have generated in the past, serving as a critical reference point for our carbon reduction initiatives. These emissions encompass all activities and processes conducted prior to the implementation of our current strategies aimed at reducing our carbon footprint.

Understanding our baseline emissions is essential for setting measurable and achievable goals for emissions reduction. This record includes data from operations such as fuel consumption, equipment uses, transportation, and other relevant activities that contribute to our overall greenhouse gas output. By establishing this benchmark, we can precisely assess the impact of our efforts to reduce emissions over time.

Our baseline emissions analysis is detailed and thorough, comprising data collected over a defined period before the introduction of innovative technologies and sustainable practices. This foundational data enables us to track changes, identify areas for improvement, and implement targeted measures that drive significant reductions in emissions.

By closely monitoring our progress against these baseline emissions, Flannery Plant Hire is dedicated to becoming a leader in environmental stewardship within the plant hire industry.

Baseline Emissions Reporting: 2022	
Additional Details relating to the Baseline Emissions calculations.	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	3,719
Scope 2	147
Scope 3 (Included Sources)	13
Total Emissions	3,879

Current Emissions Reporting: 2023	
Additional Details relating to the Baseline Emissions calculations.	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	3,445
Scope 2	127
Scope 3 (Included Sources)	12
Total Emissions	3,584

3. Reduction Targets

- **Annual Reduction Goal:** We aim to reduce carbon emissions by 10% annually, contributing to a 50% reduction by 2030.
- **Fleet Emissions Reduction:** By 2027, Flannery aims to expand its fleet by incorporating a minimum of 30% hybrid, electric, or alternative fuel vehicles. At present, our entire fleet meets Stage V compliance standards.
- **Energy Emissions:** By 2027, all our depots will be equipped with solar panels, making us a net energy exporter.

Flannery projects that carbon emissions will decrease over the next 5 years to 1,792 tCO₂e by 2029. This is a reduction of 50%.

4. Carbon Reduction Projects

To effectively support our commitment to sustainability and carbon reduction, we have established a comprehensive set of environmental management measures below. These measures will be evaluated and updated annually.

- Environmental Management System (EMS) Implementation

- **Description:** Establish an EMS in accordance with ISO:14001 standards. This involves systematic environmental planning, implementation, monitoring, and improvement processes.
- **Actions:** Develop policies and objectives related to environmental performance, assign responsibilities, and create clear procedures for environmental risk assessments. Regularly conduct internal audits to ensure compliance and identify areas for improvement.

- Carbon Footprint Assessment

- **Description:** Conduct a comprehensive assessment of the company's carbon footprint to identify major sources of greenhouse gas emissions in operations, including construction activities, transportation, and energy use.
- **Actions:** Utilise tools and methodologies such as the Greenhouse Gas Protocol to quantify emissions. Manage the existing baseline inventory and set targets for reductions. Regularly update the assessment to track progress and refine strategies.

- Employee Training and Awareness Programs

- **Description:** Develop and implement training programs that educate employees on sustainability practices, energy conservation, waste management, and the importance of reducing carbon footprints.
- **Actions:** Conduct workshops, seminars, and e-learning courses. Create easy-to-follow guidebooks or toolkits that outline best practices. Encourage participation through incentives for employees who demonstrate commitment to sustainability initiatives.

- Waste Management and Reduction Strategies

- **Description:** Establish a waste management plan focused on waste minimisation, segregation, recycling, and safe disposal of construction and office waste.
- **Actions:** Implement source separation at job sites, create partnerships with recycling facilities, and track waste generation data. Set specific targets for waste reduction, such as achieving a percentage benchmarks of waste diverted from landfills.

- Contractor and Subcontractor Compliance

- **Description:** Ensure that all subcontractors comply with sustainability goals through binding contracts that include environmental management requirements.
- **Actions:** Develop a checklist of sustainability criteria that subcontractors must meet and include clauses in contracts for monitoring and incentivising compliance. Provide training and resources to assist subcontractors in meeting these requirements.

- Energy Efficiency Enhancement

- **Description:** Implement strategies to reduce energy consumption and enhance efficiency throughout the company's operations, focusing on both office and site environments.
- **Actions:** Transition to LED lighting with PIR (Passive Infrared) sensors to minimise unnecessary energy use. Conduct energy audits to identify additional opportunities for efficiency improvements. Upgrade equipment to energy-efficient models and implement practices such as powering down non-essential equipment during off-hours. Explore opportunities for renewable energy integration, such as solar panels, to further reduce reliance on non-renewable energy sources. Set targets for energy reduction and regularly monitor progress to ensure continuous improvement.

- Sustainable Transportation Strategies

- **Description:** Develop and implement transportation policies aimed at reducing carbon emissions by promoting environmentally friendly travel options for both company operations and employee commuting.
- **Actions:** Encourage the reduction of business travel by promoting remote meetings and using digital collaboration tools where possible. When travel is necessary, prioritise electric trains or other public transportation options. Introduce incentive programs for employees who choose sustainable commuting methods, such as ride-sharing or using electric vehicles. Expand the company's electric vehicle (EV) fleet and install charging stations at facilities to support their use. Evaluate and set targets for reducing transportation emissions, and regularly review transportation policies to enhance sustainability efforts.

- Monitoring and Reporting

- **Description:** Implement a robust system for monitoring environmental performance and reporting results to stakeholders, including regulatory bodies, clients, and the surrounding communities.
- **Actions:** Set up key performance indicators (KPIs) to assess sustainability initiatives' impact regularly. Create transparent reporting systems, such as annual sustainability reports, that highlight progress, challenges, and future goals. Use feedback from these reports to continuously improve strategies.

5. Telematics and Smart Technology for Emission Reduction

- **Real-Time Data Monitoring:** Our telematics system actively tracks fuel consumption, idle times, utilisation rates, and carbon emissions for every individual item of plant, allowing for trend analysis to be performed and data to be integrated to Flannery's learning programs including Eco-Operator training.
- **Eco-Operator Training:** This programme provides operators with training and deep understanding of how to use plant in the most efficient way possible, which has resulted in operators reducing idle times by up to 25% on sites.
- **Preventative Maintenance & Fleet Innovation:** Flannery is committed to maintaining its fleet to the highest standards through comprehensive servicing, pre-delivery inspections, and routine maintenance. This ensures that all components operate at peak efficiency, minimising breakdowns and idling time, and subsequently reducing embodied carbon. Furthermore, Flannery prides itself on having the newest and most modern fleet in the UK, equipped with the latest, most efficient emission engines available.

6. Third-Party Auditing and Certification

Flannery commits to transparent reporting by:

- Ensuring third-party auditing of our carbon reduction efforts to validate progress.
- Maintaining our ISO 14001:2015 certification to ensure environmental management compliance.

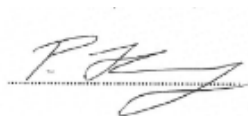
Declaration and Sign Off

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).



Patrick Flannery
Managing Director

Date: 1st January 2024

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