



# Carbon Reduction Plan

## 1. Introduction

Whitecroft Scaffolding & Construction Limited, based at 81 Florence Road, London, N4 4DL, is an SME providing scaffolding services across Inner London, Southwest England and other UK regions. We are CHAS Elite-accredited, committed to sustainable construction, and aligned with the UK's net zero target by 2050 under the Climate Change Act 2008. This Carbon Reduction Plan (CRP) has been prepared in accordance with Procurement Policy Note 06/21 (PPN 006) requirements for public contracts over £5 million. It sets out Whitecroft's greenhouse gas (GHG) emissions, reduction targets, and actions to support public sector, commercial, and private scaffolding projects.

## 2. Commitment to Net Zero

Whitecroft commits to achieving net zero emissions by 2045 for Scope 1 and 2, and by 2050 for Scope 3, ahead of the UK's 2050 legal deadline. Our goal is to halve emissions by 2030, aligning with a 1.5°C global warming limit. We will prioritise reducing fossil fuel use (e.g., switching to electric vehicles) and offset unavoidable emissions only as a last resort.

## 3. Baseline and Current Emissions

Our baseline emissions (2024) and current emissions (2025) cover Scopes 1, 2, and the required Scope 3 categories per PPN 006, calculated using the UK Government's 2025 Conversion Factors ([www.gov.uk](http://www.gov.uk)). Emissions are reported in tonnes of CO<sub>2</sub> equivalent (tCO<sub>2</sub>e) for a 12-month period ending 31 October 2025, with data within 18 months.

### *Baseline Emissions (2024):*

- Scope 1 (Direct, e.g., fuel for 3.5-tonne truck): 2.5 tCO<sub>2</sub>e (1,000 litres diesel × 2.5 kg CO<sub>2</sub>e/litre)
- Scope 2 (Indirect, e.g., office electricity): 0.8 tCO<sub>2</sub>e (4,000 kWh × 0.2 kg CO<sub>2</sub>e/kWh)
- Scope 3 (Five required categories):
  - Upstream transportation (supplier deliveries): 0.5 tCO<sub>2</sub>e (estimated, data collection ongoing)
  - Waste generated (site waste to landfill): 0.3 tCO<sub>2</sub>e (0.2 tonnes waste × 1.5 kg CO<sub>2</sub>e/kg)
  - Business travel (staff site visits): 0.4 tCO<sub>2</sub>e (2,000 miles × 0.2 kg CO<sub>2</sub>e/mile)
  - Employee commuting: 0.6 tCO<sub>2</sub>e (4 employees, avg. 10 miles/day × 250 days × 0.15 kg CO<sub>2</sub>e/mile)
  - Downstream transportation (client deliveries): 0.2 tCO<sub>2</sub>e (minimal, scaffolding erected on-site)
- Total: 4.3 tCO<sub>2</sub>e
- Intensity Ratio: 4.3 tCO<sub>2</sub>e / £0.5M turnover = 8.6 tCO<sub>2</sub>e/£M

#### *Current Emissions (2025):*

- Scope 1: 2.0 tCO<sub>2</sub>e (800 litres diesel × 2.5 kg CO<sub>2</sub>e/litre, reduced via route optimization)
- Scope 2: 0.6 tCO<sub>2</sub>e (3,000 kWh × 0.2 kg CO<sub>2</sub>e/kWh, reduced via LED lighting)
- Scope 3:
  - Upstream transportation: 0.4 tCO<sub>2</sub>e (improved supplier data)
  - Waste generated: 0.2 tCO<sub>2</sub>e (0.15 tonnes × 1.5 kg CO<sub>2</sub>e/kg, increased recycling)
  - Business travel: 0.3 tCO<sub>2</sub>e (1,500 miles × 0.2 kg CO<sub>2</sub>e/mile)
  - Employee commuting: 0.5 tCO<sub>2</sub>e (optimized carpooling)
  - Downstream transportation: 0.2 tCO<sub>2</sub>e (unchanged)
- Total: 3.2 tCO<sub>2</sub>e
- Intensity Ratio: 3.2 tCO<sub>2</sub>e / £0.6M turnover = 5.3 tCO<sub>2</sub>e/£M (38% reduction from baseline)

#### **4. Emission Reduction Targets**

We project a 50% reduction in emissions by 2030 (2.15 tCO<sub>2</sub>e) and net zero by 2045 (Scopes 1 & 2) and 2050 (Scope 3). Five-year target: reduce to 2.7 tCO<sub>2</sub>e by 2026 (37% reduction from baseline), with an intensity ratio of 4.5 tCO<sub>2</sub>e/£M turnover.

#### **5. Carbon Reduction Initiatives**

##### *Past (2024):*

- Installed LED lighting in office, reducing Scope 2 emissions by 25% (1,000 kWh saved).
- Implemented route optimisation software for 3.5-tonne truck, cutting Scope 1 emissions by 20% (200 litres diesel saved).
- Trained staff on waste segregation, diverting 50% of site waste from landfill.

##### *Current (2025):*

- Partnered with a renewable energy supplier for 100% green electricity, reducing Scope 2 emissions by 25%.
- Introduced carpooling for employee commuting, cutting Scope 3 emissions by 17%.
- Adopted low-carbon scaffolding materials (e.g., recycled steel tubes), reducing embodied carbon by 10% per project.

##### *Future (2026–2030):*

- Transition to an electric 3.5-tonne van by 2027, targeting 50% Scope 1 reduction (£10,000 investment, £2,000/year fuel savings).
- Install solar PV panels at office by 2028, aiming for 30% Scope 2 reduction (£5,000 cost, £500/year savings).
- Collaborate with suppliers for low-carbon materials (e.g., HVO fuel, low-carbon aluminium), targeting 20% Scope 3 reduction by 2030.
- Achieve 98% waste diversion from landfill by 2027 via partnerships with recycling firms.
- Support local supply chains (50% within 30 miles of projects) to reduce transport emissions.
- Offset 10 tCO<sub>2</sub>e annually via Woodland Trust tree-planting for new projects.

## **6. Compliance with Regulations**

This CRP aligns with PPN 006, the GHG Protocol Corporate Standard, and SECR requirements for Scope 1 and 2 emissions. Scope 3 emissions cover the five required categories (upstream/downstream transportation, waste, business travel, commuting). We use 2025 UK Government Conversion Factors and will address embodied carbon per Part Z proposals (whole-life carbon assessments for projects >1,000 m<sup>2</sup>, effective 2026). Annual reviews ensure compliance with evolving regulations (e.g., Future Homes Standard 2025).

## **7. Declaration**

This CRP has been reviewed for accuracy and complies with PPN 006. It is signed by a senior executive and will be updated annually.

Name: Anthony Ellison

Position: Company Director

Electronic Signature: A.R.Ellison

Date: 1 November 2025

## **8. Website Publication**

This CRP is published at [www.whitecroftscaffolding.co.uk/carbon-reduction](http://www.whitecroftscaffolding.co.uk/carbon-reduction), signposted on the homepage and “About” page. For tenders, a PDF version (Whitecroft\_CRP\_2025.pdf) is available upon request.

## **9. Contact**

For inquiries, contact:

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