

Carbon Reduction Plan

Commitment to Achieving Net Zero

Arcas Building Solutions Ltd is committed to achieving Net Zero greenhouse gas emissions by 2050.

As a Principal Contractor operating within the UK construction industry, we recognise our responsibility to minimise the environmental impact of our operations and the projects we deliver. We are committed to reducing carbon emissions arising from our business activities, engaging with our supply chain to drive environmental improvement, and supporting our clients in achieving their sustainability objectives.

This Carbon Reduction Plan has been prepared in accordance with the reporting requirements of Procurement Policy Note (PPN) 06/21 and associated guidance.

Baseline Emissions Footprint

The company is currently developing its wider carbon management programme and has established its organisational carbon footprint based on Scope 1 and Scope 2 emissions for the financial year 2025–2026.

Current Emissions Reporting

Emissions Source	Total Emissions (tCO ₂ e)
Scope 1 – Direct Emissions	11.76
Scope 2 – Indirect Emissions (Location Based Method)	2.20
Scope 3 – Indirect Emissions	Under development
Total Scope 1 & 2 Emissions	13.96

Scope 1 Emissions

Scope 1 emissions arise from the direct combustion of fuel and gas within company-controlled assets including company vehicles, equipment and facilities.

Scope 2 Emissions

Scope 2 emissions arise from purchased electricity consumed within company premises and have been calculated using the location-based methodology and current DEFRA conversion factors.

Emissions Intensity Metrics

To better understand and monitor environmental performance, emissions are also measured against key business metrics.

Intensity Metric	Value
tCO ₂ e per £1 million turnover	1.27
tCO ₂ e per employee	0.66

These metrics allow year-on-year comparison of performance and help ensure emissions reductions are achieved alongside business growth.

Scope 3 Emissions

The company currently measures and reports Scope 1 and Scope 2 greenhouse gas emissions. We recognise that the majority of emissions associated with our activities arise within Scope 3 categories, particularly purchased goods and services, subcontractor activities, transportation and waste management.

We are implementing a supply chain engagement programme requiring key suppliers and subcontractors to provide carbon and environmental performance data, including Carbon Reduction Plans, Environmental Product Declarations (EPDs) and waste management statistics. This information will be used to establish a Scope 3 baseline and support future reduction targets.

The principal Scope 3 categories applicable to our operations are expected to include:

- Purchased goods and services.
- Subcontractor activities.
- Transportation and distribution.
- Waste generated during construction activities.
- Business travel.
- Employee commuting.
- Plant and equipment hire.

As data quality improves, these categories will be incorporated into future carbon reporting and reduction initiatives.

Carbon Reduction Measures

The company is committed to continually improving environmental performance through the implementation of practical carbon reduction initiatives.

Measures already implemented or currently being developed include:

Fleet and Transport

- Use of fuel-efficient vehicles.
- Route planning to reduce unnecessary travel.

- Encouragement of remote meetings where practical.
- Promotion of vehicle sharing and sustainable transport options.
- Consideration of lower-emission and electric vehicle options during fleet replacement.

Energy Management

- Monitoring and reduction of energy consumption within offices and facilities.
- Use of LED lighting and energy-efficient equipment.
- Improved control of heating and cooling systems.
- Switching off equipment when not in use.

Procurement and Supply Chain

- Selection of local suppliers where practical to reduce transportation emissions.
- Engagement with suppliers who have environmental management systems and carbon reduction commitments.
- Procurement of materials with recycled content and lower embodied carbon where appropriate.
- Encouragement of suppliers to provide Environmental Product Declarations (EPDs).

Waste Management

- Application of the waste hierarchy: Reduce, Reuse, Recycle, Recover and Dispose.
- Segregation of waste streams to maximise recycling.
- Reduction of packaging waste.
- Monitoring of waste generation and recycling performance.

Digital Working

- Increased use of digital documentation and electronic communication.
- Reduction in paper usage through electronic management systems.
- Electronic site inspections, audits and reporting.

Environmental Management During Contract Delivery

When undertaking refurbishment and construction projects, including NHS projects, the company will implement project-specific environmental controls to minimise carbon emissions and environmental impact.

Typical measures include:

Sustainable Procurement

- Procuring materials from responsible and sustainable sources where practicable.
- Considering products with recycled content and lower embodied carbon.
- Reducing material wastage through accurate ordering and planning.

Efficient Use of Plant and Equipment

- Selection of appropriately sized plant and equipment.
- Minimising plant idling.

- Using energy-efficient and lower-emission equipment where available.
- Considering electric and hybrid alternatives where suitable.

Waste Reduction

- Development of Site Waste Management arrangements.
- Segregation and recycling of waste materials.
- Reuse of materials where feasible.
- Monitoring waste performance throughout the project.

Transport Management

- Coordinating deliveries to reduce vehicle movements.
- Encouraging workforce car sharing and public transport use where practical.
- Using local suppliers and subcontractors where feasible.

Pollution Prevention

- Proper storage and management of fuels and hazardous substances.
- Spill prevention measures and emergency response arrangements.
- Dust suppression and air quality controls.
- Noise and vibration management.

Protection of the Local Environment

- Protection of existing vegetation and habitats.
- Responsible management of water usage.
- Prevention of contamination to land and watercourses.
- Compliance with client environmental requirements and statutory obligations.

Engagement and Awareness

- Environmental inductions for all personnel.
- Toolbox talks on environmental issues and carbon reduction.
- Regular environmental inspections and audits.
- Communication of environmental objectives to the workforce and supply chain.

Future Carbon Reduction Initiatives

To support achievement of Net Zero, the company will continue to:

- Develop and expand Scope 3 emissions reporting.
- Engage key subcontractors and suppliers in carbon reduction initiatives.
- Increase use of digital technologies to reduce travel and paper consumption.
- Review opportunities to transition to lower-emission vehicles.
- Increase procurement of low-carbon materials.
- Improve project-level carbon monitoring and reporting.
- Enhance environmental awareness and training throughout the organisation.

Progress against these objectives will be reviewed annually as part of the company's management review process.

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standards for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the Greenhouse Gas Reporting Protocol corporate standard.

This Carbon Reduction Plan has been reviewed and approved by the Company's senior management team.

Company Name: Arcas Building Solutions Ltd

Reporting Period: Financial Year 2025–2026

Publication Date: 01/06/26

Approved By: Michael Nesbit, Managing Director

Signature:

A handwritten signature in black ink, appearing to be 'M Nesbit', written over a horizontal line.