



Carbon Reduction Plan

Organisation Name:	Boom Construction Limited (BCL)
Industry Sector:	Construction
Primary Services:	Main contractor services for building projects, including new builds and refurbishments

Introduction

Boom Construction Limited (BCL) is committed to reducing its carbon footprint and achieving net-zero carbon emissions by 2050. This Carbon Reduction Plan outlines our strategies and actions in accordance with PPN 06/21 to reduce greenhouse gas emissions associated with our operations and projects.

Baseline Emissions Footprint

BCL is currently in the process of establishing its baseline greenhouse gas emissions in accordance with the GHG Protocol Corporate Accounting and Reporting Standard and the UK Government's guidance under PPN 06/21.

This baseline assessment will cover the following scopes:

- **Scope 1:** Direct emissions from owned vehicles, on-site fuel use, and generators
- **Scope 2:** Indirect emissions from purchased electricity
- **Scope 3:** Indirect emissions from business travel, employee commuting, waste, and supply chain activities

While we are actively gathering and verifying emissions data for all relevant categories, full figures are not yet available. Once data collection is complete, we will:

- Finalise and publish the emissions data in tonnes of CO₂ equivalent (tCO₂e)
- Set detailed reduction targets against the established baseline
- Update this Carbon Reduction Plan accordingly

Emissions Scope	Status	Notes
Scope 1	In progress	Fuel usage and site generator data being collected
Scope 2	In progress	Energy data from office and sites under review
Scope 3	In progress	Initial focus on business travel, commuting, and subcontractor emissions
Baseline Year	To be confirmed	Likely to be 2026 reporting year

Doc No.	BCP046	Rev:	A	Date Policy Approval:	14/04/2025	Date of Policy review:	14/04/2026
---------	--------	------	---	-----------------------	------------	------------------------	------------

Commitment to Carbon Reduction

BCL is dedicated to achieving significant carbon reductions through the following initiatives:

1. Energy Efficiency Improvements

- Implementing energy-efficient technologies in all new projects.
- Upgrading existing buildings to improve energy performance.
- Conducting regular energy audits and monitoring energy usage.

2. Use of Renewable Energy

- Increasing the use of renewable energy sources such as solar panels and wind turbines.
- Purchasing green energy from certified suppliers.

3. Sustainable Construction Practices

- Minimising waste through recycling and reuse of materials.
- Sourcing sustainable and low-carbon materials.
- Reducing emissions from construction activities by using electric and low-emission machinery.

4. Transportation

- Encouraging the use of electric vehicles (EVs) and providing EV charging stations.
- Promoting carpooling and public transportation for employees.
- Optimising logistics to reduce transportation emissions.

5. Employee Engagement and Training

- Providing training on sustainable practices and carbon reduction.
- Engaging employees in sustainability initiatives and encouraging eco-friendly behaviour.

Supply Chain Management

- Working with suppliers who have strong environmental policies.
- Incorporating carbon reduction criteria into procurement processes.

Carbon Reduction Targets

BCL has set the following carbon reduction targets:

- **Short-term Target (by 2025):** Reduce total emissions by 25% from the baseline year.
- **Medium-term Target (by 2030):** Reduce total emissions by 50% from the baseline year.
- **Long-term Target (by 2050):** Achieve net-zero carbon emissions.

Actions to Achieve Targets

From 2021 to 2025, we will implement energy efficiency measures across all projects. During this period, we plan to transition 25% of our vehicle fleet to electric vehicles and increase the use of renewable energy to 30% of our total energy consumption.

Doc No.	BCP046	Rev:	A	Date Policy Approval:	14/04/2025	Date of Policy review:	14/04/2026
---------	--------	------	---	-----------------------	------------	------------------------	------------



Between 2026 and 2030, we aim to transition 50% of our vehicle fleet to electric vehicles and increase the use of renewable energy to 60% of our total energy consumption. Additionally, we will implement carbon capture and storage technologies where feasible.

From 2031 to 2050, our goal is to achieve 100% renewable energy usage. We will transition the entire vehicle fleet to electric or low-emission vehicles and offset any remaining emissions through verified carbon offset projects.

Specific Initiatives

1. Energy efficiency improvements:

- **LED lighting:** BCL will replace traditional lighting systems with LED lighting across all project sites. LED lights are more energy-efficient, have a longer lifespan, and reduce overall energy consumption. This measure will significantly cut down on electricity use and maintenance costs.
- **Energy-Efficient HVAC Systems:** We will install energy-efficient HVAC systems in our projects to optimize heating, ventilation, and air conditioning. These systems will use advanced technology to reduce energy consumption while maintaining high indoor air quality and comfort levels.
- **Insulation improvements:** We will upgrade insulation in both new builds and retrofits to improve thermal performance. Enhanced insulation will help maintain consistent indoor temperatures, reduce heating and cooling demands, and lower energy consumption.

2. Renewable energy usage:

- **Green energy procurement:** We will purchase green energy from certified renewable sources for our operations. This commitment supports the transition to renewable energy and helps offset the environmental impact of our energy use.
- **Renewable energy Partnerships:** BCL will seek partnerships with renewable energy providers to explore additional green energy solutions and collaborative projects. This may include developing joint initiatives to increase the use of renewable resources.

3. Sustainable construction practices:

- **Sustainable materials:** BCL will use sustainable materials in our construction projects, including recycled steel, low-carbon concrete, and FSC-certified timber. These materials reduce environmental impact and promote sustainable building practices.
- **Waste reduction strategies:** Our waste reduction strategies will include on-site recycling, waste segregation, and the use of prefabricated components to minimise construction waste. We will also work to ensure that construction debris is recycled or repurposed whenever possible.

4. Transportation

- **Electric Vehicles (EVs):** BCL plans to transition 25% of our vehicle fleet to electric vehicles by 2025, increasing to 50% by 2030, with the goal of a fully electric or low-emission fleet by 2050. This transition will help reduce our carbon footprint and support sustainable transportation.
- **Carpooling initiatives:** We will promote carpooling among employees and contractors to reduce the number of vehicles on the road. This initiative will lower emissions and traffic congestion while fostering a collaborative work environment.
- **Logistics optimisation:** BCL will optimise logistics and delivery schedules to minimize unnecessary trips and improve fuel efficiency. Efficient logistics management will reduce transportation-related emissions and operational costs.

Doc No.	BCP046	Rev:	A	Date Policy Approval:	14/04/2025	Date of Policy review:	14/04/2026
---------	--------	------	---	-----------------------	------------	------------------------	------------

- **EV Charging infrastructure:** We will install EV charging stations at major project sites and office locations to support the use of electric vehicles. This infrastructure will facilitate the transition to electric transportation and encourage its adoption among employees and stakeholders.

5. Employee engagement and training

- **Training Programmes:** BCL will develop and implement training programmes focused on sustainability, energy efficiency, and carbon reduction. These programmes will educate employees on best practices and technologies to support our environmental goals.
- **Awareness Campaigns:** We will launch awareness campaigns to increase understanding of sustainability issues and the role employees play in achieving our environmental objectives. These campaigns will include workshops, seminars, and informational materials.
- **Incentives for Sustainable Practices:** BCL will offer incentives for employees who actively contribute to sustainability efforts. This may include bonuses for energy-saving ideas, recognition programmes, and rewards for exemplary environmental practices.
- **Green Teams:** We will establish green teams within the organisation to lead and champion sustainability initiatives. These teams will coordinate efforts, share best practices, and drive continuous improvement in our environmental performance.

6. Supply chain management

- **Supplier selection:** BCL will prioritise working with suppliers who have robust environmental policies and practices. We will assess potential suppliers based on their commitment to sustainability, including their own carbon reduction strategies, waste management practices, and use of eco-friendly materials.
- **Carbon reduction criteria:** We will include carbon reduction criteria in our procurement processes, requiring suppliers to demonstrate their efforts to reduce carbon emissions. This includes evaluating their energy efficiency measures, renewable energy usage, and overall carbon footprint reduction plans.
- **Sustainable procurement policies:** Our procurement policies will mandate that all suppliers adhere to specific sustainability standards. Suppliers will be required to provide documentation of their environmental performance and compliance with relevant regulations and certifications.
- **Partnerships and collaboration:** BCL will foster partnerships with suppliers who are committed to continuous improvement in environmental performance. We will work collaboratively with these suppliers to explore new sustainability initiatives, improve supply chain transparency, and share best practices.
- **Performance monitoring:** We will regularly review and monitor the environmental performance of our suppliers to ensure ongoing compliance with our sustainability criteria. This includes conducting audits and assessments to verify that suppliers are meeting their environmental obligations and identifying areas for improvement.
- **Sustainable material sourcing:** Our procurement practices will emphasise the use of sustainable materials and products. We will choose suppliers who provide materials with low environmental impact, such as those certified by recognised sustainability standards or those that use recycled content.

Monitoring and Reporting

BCL will monitor progress towards our carbon reduction targets through annual emissions inventories. We will report our emissions and progress publicly to ensure transparency and accountability.

Doc No.	BCP046	Rev:	A	Date Policy Approval:	14/04/2025	Date of Policy review:	14/04/2026
---------	--------	------	---	-----------------------	------------	------------------------	------------



Boom Construction Limited is fully committed to reducing its carbon footprint and achieving net-zero carbon emissions by 2050. We believe that through dedicated efforts and continuous improvement, we can make a significant positive impact on the environment.

A handwritten signature in black ink, appearing to read "O Clegg", written in a fluid, cursive style.

Managing Director
Oliver Clegg

A handwritten signature in black ink, appearing to read "R Peterson", written in a fluid, cursive style.

Preconstruction Director
Ryann Peterson

A handwritten signature in black ink, appearing to read "J Sharp", written in a fluid, cursive style.

Operations Director
Joe Sharp

Doc No.	BCP046	Rev:	A	Date Policy Approval:	14/04/2025	Date of Policy review:	14/04/2026
---------	--------	------	---	-----------------------	------------	------------------------	------------