



Carbon Impact Report

Reporting Year 2025

Building Projects Group (BPG) delivers quality construction services to high-care environments, delivering excellent service from design to delivery. This Carbon Impact Report shows the company's currently-calculated carbon emissions and outlines potential strategies to reduce carbon emissions and the steps they will take to comply with the requirements set out in **PPN 06/21**. Their business recognizes that carbon reduction is vital to mitigating climate change and fulfilling their responsibilities to minimising environmental impacts.

With over 25 years of experience specialising in the construction, refurbishment and maintenance of high-care environments such as in education, care facilities, laboratory spaces and food production, as well as offices, commercial and industrial sites, BPG is committed to exceeding client expectations through constant communication and minimising disruption during project execution.

Building Projects Group's operations result in emissions from Scope 1 and Scope 2 sources plus selected Scope 3 sources. Their Carbon Reduction Plan has started with an initial assessment of their carbon footprint and preparation of a

baseline from which methods to reduce emissions can be proposed and realistic targets towards achieving net zero emissions by 2050 can be set.

Such means for reducing their carbon emissions may include:

Reduction from transport – reducing unnecessary journeys and increasing their fleet of electrically-powered vehicles (EVs).

Reduction in on-site emissions – by cutting energy use and sourcing energy from a 'green' supplier.

Reduced waste – they will aim to produce less waste and increase the percentage that is re-used or recycled.



2.0 Carbon Calculations

The purpose of this Carbon Impact Report is to outline BPG's commitment to reducing carbon emissions associated with their operations, aligning with national and international sustainability goals, including the United Nations Sustainable Development Goals, and addressing legal obligations related to carbon emissions reporting and reduction.

A baseline assessment was undertaken using available data to determine the current CO₂e emissions. Calculations were carried out to the requirements of the UK Government Carbon Reduction Plan, which requires calculation of Scope 1, Scope 2 and certain categories of Scope 3 emissions, using UK Government emissions conversion factors based on the GHG Protocol.

Scope One Emissions

Scope 1 is a measure of the direct emissions attributed to the business. This includes emissions from gas (eg gas-fired central heating boilers), liquid fuels such as petrol and diesel (eg on site vehicles), and refrigerants from air-conditioning equipment...

Scope one = 2.3129 tCO₂e

Scope Two Emissions

Scope 2 emissions are related to the provision of grid electricity. These emissions largely relate to heating and lighting in the business premises, as well as IT and other electrical equipment, and EV charging...

Scope two = 18.2545 tCO₂e

Scope Three Emissions

Scope 3 emissions are the indirect emissions associated with the organisation that are not owned or controlled by them directly. There are 15 categories of scope 3 emissions, defined by the GHG Protocol, 5 of which are defined by the UK Government Carbon Reduction Plan as their requirements for a rounded Carbon assessment.

Scope 3 emissions therefore encompass all other indirect emissions, such as emissions from the production and transportation of construction materials, from employee travel for project-related activities and emissions from the disposal and treatment of waste.

The five specific Scope 3 categories relative to these calculations are:

Cat. 4 – Upstream transportation & distribution

This relates to products purchased in the reporting year, between a company's tier 1 suppliers, and its own operations in vehicles not owned or operated by the reporting company.

Cat. 5 - Waste generated in operations

Includes emissions from third-party disposal and treatment of waste generated in the reporting company's owned or controlled operations in the reporting year.

Cat. 6 - Business travel

This category includes emissions from the transportation of employees for business related activities in vehicles operated by third parties, such as aircraft, trains, buses, and passenger cars.

Cat. 7 - Employee commuting

This category includes emissions from the transportation of employees between their homes and their worksites.

Cat. 9 - Downstream transportation & distribution

This includes emissions from transportation and distribution of products after the point of sale.

Scope three = 42.5650 tCO₂e

3.0 Emissions Reduction Targets

Total Emissions

Annual CO₂e (carbon dioxide & carbon equivalent) emissions totalling 63.1324 tonnes have initially been identified for Building Projects Group.

Total emissions = 63.1324 tCO₂e

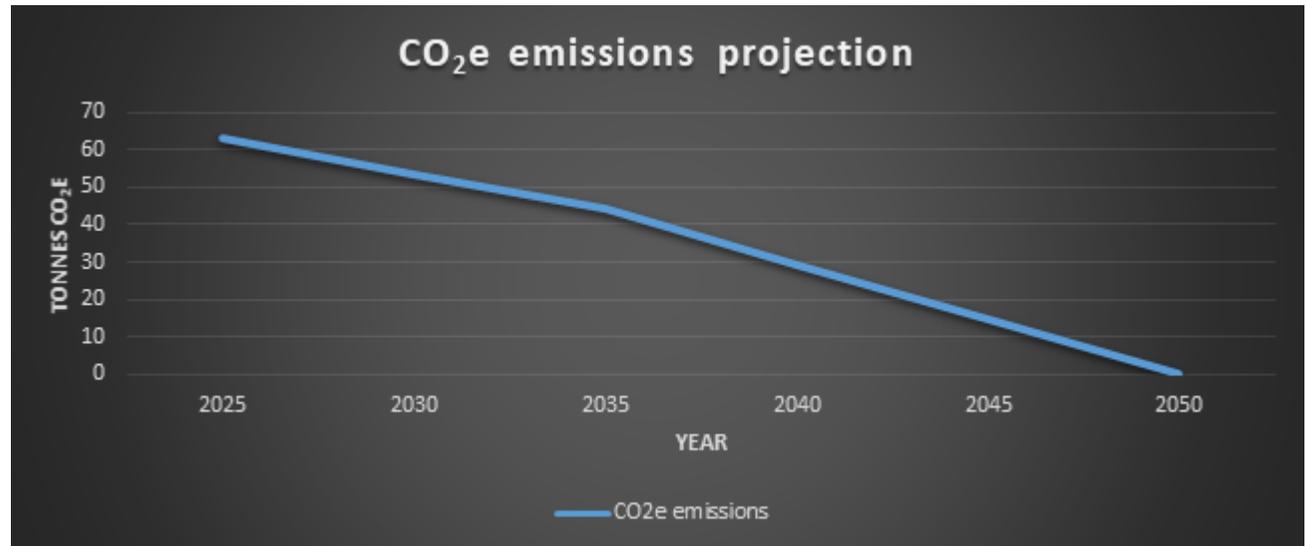
To achieve a long-term goal of net-zero carbon emissions by 2050, in line with the UK government's ambitions, the following phased reductions will be considered by Building Projects Group...

- **Short-term Target (2026):** Reduce Scope 1 and Scope 2 emissions by 10% compared to the 2025 baseline.
- **Medium-term Target (2035):** Achieve a 30% reduction in Scope 1 and Scope 2 emissions from the 2025 baseline.
- **Long-term Target (2050):** Achieve net-zero carbon emissions across all scopes.

Recommended Measures

Switch utilities supplier to 100% renewable-energy-sourced electricity on tariffs based by REGO (Renewable Energy Guarantee of Origin) certification.

Investigate and install, if feasible, solar photovoltaic panels to produce electricity on-site.



Introduce incentives to encourage employees to adopt lower-emission transportation, eg by foot, cycle, public transport or replacing petrol & diesel vehicles with EVs.

Reduce percentage of waste that goes to landfill by identifying further recyclable waste and areas where non-recyclable waste could be eliminated entirely.

Identify items within their building that can be replaced with low-energy equivalents, for example adopting low-energy LED lighting if not already present.

Relevant measures will be investigated in detail for inclusion in future Carbon Impact Reports.

Conclusion

Building Projects Group is committed to reducing its carbon footprint in line with the government's targets and **PPN 06/21**, and contributing to a more sustainable future for the country. They recognize the importance of continuous improvement and are determined to contribute positively to the UK's decarbonisation goals. This Carbon Impact Report will evolve over time, with ongoing reviews and adjustments made to ensure its effectiveness. Carbon reduction initiatives, coupled with transparent reporting and verification, will demonstrate BPGs dedication to achieving their long-term sustainability goals.

