

CARBON REDUCTION PLAN

Supplier Name: Phelan Construction Limited

Publication Date: 01st November 2024

This Carbon Reduction Plan has been produced in response to PPN 06/21 and covers all of Phelan Construction's operations.

Commitment to Achieving Net Zero

Phelan Construction Ltd is committed to achieving Net Zero emissions by 2045.

Additional Details Relating to the Baseline Emissions Calculations

Phelan Construction selected the baseline year of 2021-2022. If we had used a previous year (2020) this would have been impacted by the effect of Covid-19.

Baseline: 01st Nov 2021 – 31st October 2022

EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	57.57
Scope 2	8.03
Scope 3	408.81
- Cat 4: Upstream Transportation	159.47
- Cat 5: Waste	95.91
- Cat 6: Business Travel	25.42
- Cat 7: Employee Commuting	25.8
- Cat 9: Downstream (Transportation & Distribution)	102.2
Total Emissions	474.41

Emissions Reduction Targets

To continue our progress to achieving Net Zero, we continue to explore opportunities to reduce emissions. We have adopted the following carbon reduction targets, within the next 5 years.

Scope 1 & Scope 2 Emissions

- All company vehicles to be electric.
- 10% reduction per person on gas / electric usage within the office.
- 100% electricity purchased from renewable sources.

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Current Emissions Reporting

Reporting Year: 01st Nov 2022 – 31st October 2023

EMISSIONS	TOTAL (tCO₂e)
Scope 1	57.23
Scope 2	7.84
Scope 3	390.93
- Cat 4: Upstream Transportation	158.24
- Cat 5: Waste	94.21
- Cat 6: Business Travel	23.21
- Cat 7: Employee Commuting	23.8
- Downstream (Transportation & Distribution)	91.47
Total Emissions	456

Carbon Reduction Projects

The following environmental management measures and projects have been completed or implemented since 2021. We expect to fully evaluate the impact of implementing these measures on the reduction of our emissions in the next carbon footprint assessment and comparing it with our baseline year 2021-2022 Environmental Measures:

- Supply chain engagement is already under way but is a complex and long-term programme.
- Materials are ordered on a as and when basis and an accurate take-off is performed and monitored to avoid waste.
- At our Head Office, we have already installed innovative environmentally friendly technology, including PIR sensors throughout the building, auto-sensor taps, LED lighting and grey water harvesting and recycling bins.
- Selection of sub-contractors and suppliers who have a carbon reduction policy in place.

In the future we expect to implement further measures such as:

- Site accommodation - installation of energy efficient cabins
- Implementation of ISO 5001.
- Transport – promote car sharing and use of public transport.
- Water Harvesting - Rainwater collection points from welfare units can be saved and used for vehicle washing and plant watering.

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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 standard and uses the appropriate Government emission conversion factors for greenhouse gas company reporting.

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) Standard.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body)

Signed,



Kieran O'Phelan - Director

Date: 1st November 2024