

CARBON REDUCTION PLAN

Supplier Name: Logan Construction (SE) Limited

Publication Date: 05th September 2023

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

Commitment to achieving Net Zero

Logan Construction (SE) Limited is committed to achieving Net Zero emissions by 2045.

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

Baseline Year: 01st July 2021-30th June 2022

Additional Details relating to the Baseline Emissions calculations.

Logan Construction selected the baseline year of 01.07.2021-30.06.2022 as this links to the company's financial year. If we had used a previous year (2020) this would have been impacted by the effect of Covid 19 and any subsequent impacts on business operations.

All information provided for Scopes 1, 2 and 3 has been collected from recorded business data. We have not recorded against F Gas / Generators / Fire Extinguishers as no refills or generators were required in the business during the reporting year. This will be recorded in the next report if these have been reported on in the period.

Given the use of better data collection procedures and methodology in the reporting year 2022-2023, the **baseline year 2021-2022 was recalculated** for Scope 2 (consumption of electricity) and Scope 3 upstream transportation of goods category (e.g. goods transportation from the supplier premises to the project's site). There were no changes to the calculation of Scope 1 GHG emissions.

Methodology:

Company vehicles – the mileage of the company cars has been based on an average figure for the year as this information is not collated for the baseline year. We have collated this information for the reporting year 2022-2023. Defra emission factors were used to calculate GHG emissions from this category.

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Gas and electricity purchased - Emissions related to gas and electricity were quantified with consumptions of gas and electricity of the office and Defra Convention Factors for gas and Supplier EDF emission factor, for the electricity tariff contracted, were used. For the GHG emissions from Scope 2 an estimation was made based on the electricity consumption done in projects sites during 2022-2023 as there were no data available at the time of reporting for the year 2021-2022.

Business Travel- Car mileage used in the GHG inventory was estimated from mileage claims and DEFRA Emissions factors were used to calculate GHG emissions from this category.

Waste- GHG emissions from waste were calculated based on the company's records of waste produced in the different waste streams. DEFRA emissions factors were used.

Employee Commuting – we have included an average figure for employee commuting by using the average data method as published in GGP: Technical Guidance for Calculating Scope 3 Emissions; Category 7. A survey to capture typical commuting types, car, bus, rail, other and this information it has been included in the current year's emissions reporting.

Upstream Transportation of Goods- The GHG emissions reported for the baseline year were estimated from 2022-2023 data as there were no data available at the time of reporting for the year 2021-2022. This is an addition to the previous Carbon Reduction Plan.

Downstream Transportation of Goods- Scope 3 reporting does not include downstream transportation of goods as Logan Construction only manages and provides construction services, which does not involve transportation of goods to clients. Therefore, this category is not applicable to Logan Construction activities.

Baseline year emissions: 01st July 2021-30th June 2022

EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	57.6
Scope 2	35.0
Scope 3 - Waste (195.9 tCO ₂ e) -Business Travel (35.4 tCO ₂ e) - Employee Commuting (75.8 tCO ₂ e)	4116.9

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- Upstream Transportation of Goods (3809.8 tCO2e)	
Total Emissions	4209.5

Current Emissions Reporting

Current reporting year: 01.07.2022-30.06.2023 (financial year)

All information provided from Scopes 1, 2 and 3 have been collected from recorded business data. We have not recorded against F Gas / Generators / Fire Extinguishers as no refills or generators were required in the business during the reporting year.

The current emissions reporting has benefited from better data collection procedures with regard to collecting data from project's sites. However, it was still not possible to collect data from all projects and an effort is being made to improve this situation.

Methodology:

Company vehicles – the mileage of the company cars has been recorded monthly and was used as activity data for the GHG emissions calculation. DEFRA emission factors were used.

Gas and electricity purchased - Emissions related to gas and electricity were quantified with consumptions of gas and electricity for both the office and projects' sites for which it was possible to collect data (12 projects out of a total of 31). Defra emission factors for gas and Supplier EDF emission factor for the electricity tariff contracted were used for calculating GHG emission at the office. Defra location-based emission factor was used to calculate GHG emissions for electricity purchased at project's sites.

Business Travel- Car mileage used in the GHG inventory was estimated from mileage claims and DEFRA Emissions factors were used. In this reporting year site travel to/from project's sites (travelling in non-company's vehicles) it was included in this category.

Waste- GHG emissions from waste were calculated based on the company's records of waste produced in the different waste streams at the office and project's sites. DEFRA emissions factors were used.

Employee Commuting - A survey to the company's employees was undertaken to collect the different modes of transport and distances travelled (mileage) for commuting to work. This activity data and DEFRA emissions factors were used for calculating the GHG emissions from this category.

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Upstream Transportation of Goods- Data with regards to tonnage and mileage of goods transported from the suppliers' site to the projects' sites were used as activity data. DEFRA emissions factors were used for calculating GHG emissions from this category.

Downstream transportation of Goods- Scope 3 reporting does not include downstream transportation of goods as Logan Construction only manages and provides construction services, which does not involve transportation of goods to clients. Therefore, this category is not applicable to Logan Construction activities.

EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	46.9
Scope 2	46.6
Scope 3 (Included Sources) - Waste (232 tCO ₂ e) -Business Travel (111.7 tCO ₂ e) - Employee Commuting (63 tCO ₂) - Upstream Transportation of Goods (3809.8 tCO ₂ e)	4216.5
Total Emissions	4310

Emissions reduction targets

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

Scope 1 and 2

- Reduce gas consumption from boilers by 1% of GHG emissions from the baseline year of 2021 by 2024.

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- We aim to purchase 100% of electricity tariffs from renewable sources by 2024 for the office electricity consumption.
- We aim to transition 20% of our fleet to EV by 2027.
- Driver Efficiency training – 100% of company vehicle drivers obtain training by 2027.

Scope 3

- Reduce the number of trips from Upstream Transportation of Goods by 2027.
- Promote carpooling for staff by 2027.

In the next 5 years from baseline Emissions from 2021-2022 and with these targets implemented we project that carbon emissions will decrease to a total of 4091.13 tCO₂e by 2027. This is a reduction of circa 2.81% over the next 5 years from baseline 2021-2022.

Carbon Reduction Projects

The following environmental management measures and projects are currently ongoing and we expect to fully evaluate the impact these have on the reduction of Greenhouse emissions in the next carbon footprint assessment.

Ongoing environmental initiatives:

1. We have implemented ISO 14001 Environmental Management since 2015
2. Keep improving GHG emissions collection of data and carbon inventory methodologies.
3. Review the level of vehicles in the business to ensure we only maintain an optimum requirement
4. Schedule trips and ensure GPS is used properly to avoid congestion periods.
5. **Electric cars**– The company is switching company cars to electric vehicles.
6. **Business Travel**- Company business travel has been limited to strictly necessary.
7. **Sustainable/recyclable products** – Logan Construction is implementing a feasibility study to investigate the possibility of sourcing more sustainable materials and products made with recycled content.

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

- Set up carbon requirements on contracts to track the usage of EV vehicles
- Supply Chain Engagement is already under way but is a complex and long-term programme. We are seeking to work with our supply chain to raise awareness, to help them reduce their own carbon footprints as well as innovate and/or to agree changes to products and services that enable us to meet our contractual obligations in a low-carbon way.
- Waste – now we have established a clear baseline for waste within the business we will be looking to undertake a feasibility study in to its reduction.
- Purchase goods with reduced quantity of packaging – undertake a feasibility study to confirm % and transition period

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- Avoid the usage of single use plastic packaging – undertake a feasibility study to confirm % and transition period

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 standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

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) Standard³.

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

Signature on behalf of the Supplier:



Name

William Logan

Position

Managing Director

Date:

5th September 2023

¹<https://ghgprotocol.org/corporate-standard>

²<https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³<https://ghgprotocol.org/standards/scope-3-standard>