

Carbon Reduction Plan

Supplier name: **M. G. Electric (Colchester) Ltd**

Publication date: **October 2024**

Commitment to achieving Net Zero

M. G. Electric (Colchester) Ltd is committed to achieving Net Zero emissions by 2050.

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: 2023 | |
| Additional Details relating to the Baseline Emissions calculations. | |
| M G Electric (Colchester) Ltd has not previously assessed or reported our emissions. This report is for 2023 and is also our baseline year. We have used the Business Carbon Calculator from Normative part of the SME Climate Hub to estimate our Scope 1, Scope 2 and Scope 3 (including sources) emissions. | |
| Baseline year emissions: 2023 | |
| EMISSIONS | TOTAL (tCO₂e) |
| Scope 1 | 4.68 |
| Scope 2 | 30.3 |
| Scope 3 (Included Sources) | 1050 Included Sources Business Travel 2.45 Upstream transportation & distribution 31.7 Purchased goods & services 1050 Capital goods 6.8 |

| | |
|------------------------|-------------|
| Total Emissions | 1120 |
|------------------------|-------------|

Current Emissions Reporting

| Reporting Year: 2024 | |
|---------------------------------------|---|
| EMISSIONS | TOTAL (tCO₂e) |
| Scope 1 | 4.68 |
| Scope 2 | 30.3 |
| Scope 3 (Included Sources) | 1050 Included Sources Business Travel 2.45 Upstream transportation & distribution 31.7 Purchased goods & services 1050 Capital goods 6.8 |
| Total Emissions | 1120 |

Emissions reduction targets

Objectives & Targets

This is the first carbon footprint for M G Electric (Colchester) Ltd and we have set the following targets:

- Reduce Scope 1, Scope 2 & Scope 3 carbon emissions to net zero by 2045
- 20% reduction in Scope 1 and Scope 2 emissions by 2030
- 50% reduction in Scope 1 and Scope 2 emissions by 2035

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2023 baseline. The carbon emission reduction achieved by these schemes equate to 0 tCO₂e, a 0%ge reduction against the 2023 baseline and the measures will be in effect when performing the contract

This is M G Electric (Colchester) Ltd initial Carbon Reduction Plan and we have not as yet completed any environmental management measures or projects. This section will be updated during our 2025 reporting year.

Further Carbon Reduction Initiatives

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

Conversion of electricity to renewable sources

Introduction of hybrid & flexible working practices reducing employee travel to MGE

Implementation of LED lighting

Implementation of recycling programs to sort waste

Replace MGE diesel van with EV model at next replacement

Maximise engagement with SME Climate Hub

Evaluation of alternative energy sources e.g. solar

More accurate measurement of Scope 3 carbon emission sources, specifically for Purchased Goods & Services

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 reporting](#)².

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).

Signed on behalf of the Supplier:



Graham M. Martin – Managing Director

M G Electric (Colchester) Ltd

October 2024

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>