

PPN 06/21

# Carbon Reduction Plan

8th October 2025



**mcavoy**



# Contents

1.0	Supplier Name	2
2.0	Publication Date	2
3.0	Commitment to Achieving Net Zero	3
4.0	Baseline Emissions Footprint	4
5.0	Current Emissions Reporting	5
6.0	Emissions Reduction Targets	6
7.0	Carbon Reduction Projects	7
8.0	Declaration and Sign Off	9





## Supplier Name: McAvoy

McAvoy is a Private Limited Company, incorporated in Northern Ireland.

Registered address: 2 Ferguson Road, Knockmore Hill Industrial Estate, Lisburn, BT28 2FW.

This plan covers all McAvoy operations.



## Publication Date: 8th October 2025



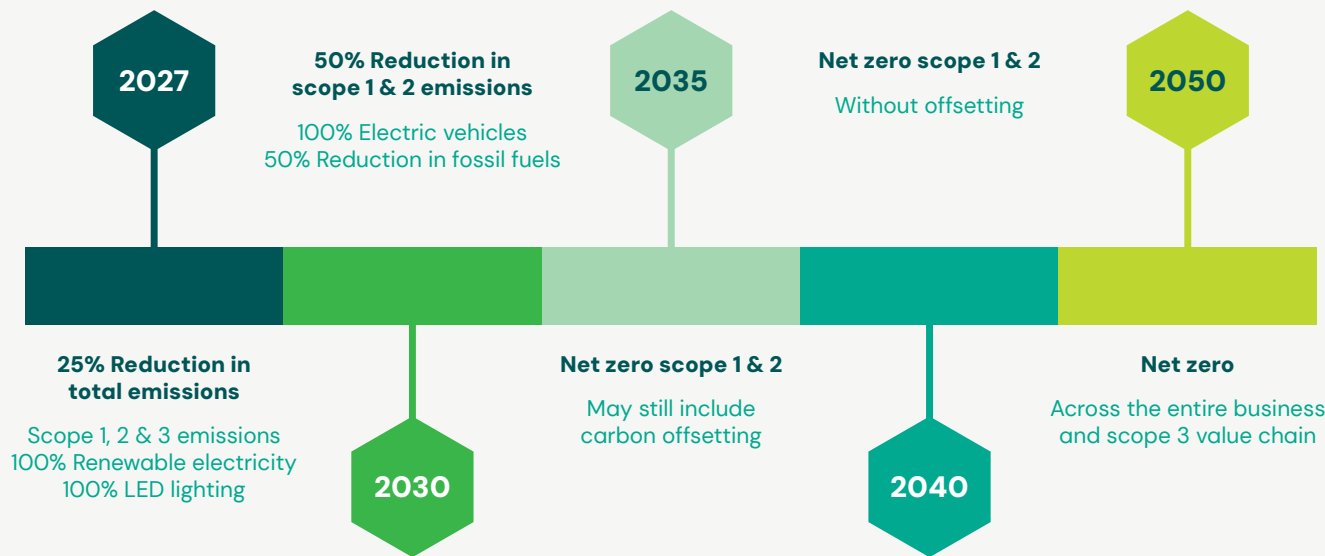


## Commitment to Achieving Net Zero:

In 2019 the UK Government amended the Climate Change Act 2008 by introducing a target of at least a 100% reduction in the net UK carbon account by 2050. This has become commonly known as the 'Net Zero' target. In line with this, McAvoy are fully committed to playing their part and ensuring the company achieves Net Zero by 2050.

McAvoy's commitment to achieving Net Zero by 2050 is set out in its "**Net Zero Carbon Plan 2050**". This outlines the company's vision and strategy for achieving Net Zero across its entire value chain (Scope 1, 2 and 3 in line with the government's Streamlined Energy & Carbon Reporting guidelines).

### Carbon reduction timeline



This Carbon Reduction Plan (CRP) sets out the company's vision and strategy for achieving Net Zero across its entire value chain (Scope 1, 2 and 3).

McAvoy employ the services of GM Energy Management, a consultancy providing carbon accounting and advisory services. GM Energy Management undertake a series of quality management checks in line with the requirements ISO 14064-1.

The emissions data contained within this CRP has been obtained in accordance with the GHG Protocol's Corporate Standard and the corporate value chain (Scope 3 accounting and reporting standard). Emissions have been calculated using Department for Business, Energy and Industrial Strategy (BEIS Conversion Factors for company reporting of GHG emissions).





## Baseline Emissions Footprint:

Baseline emissions are a record of the greenhouse gases 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: 2021/22 (1st June 2021 – 31st May 2022)	
<b>Additional Details relating to the Baseline Emissions calculations:</b>	
<p>The emissions reported below were quantified within McAvoy's 2021/22 Annual Energy &amp; Carbon Report, which was produced in accordance with the government's requirements for Streamlined Energy and Carbon Reporting (SECR). It was based on the 2013 UK Government environmental reporting guidance and also used the GHG Protocol Value Chain (Scope 3) Standard.</p> <p>In order to measure progress against targets, it is important to have a clearly defined set of Base Year emissions and a documented, transparent process for how they were calculated. This allows a consistent, repeatable approach to be taken when producing future reports – essentially ensuring that we are comparing apples with apples.</p> <p>McAvoy's Base Year emissions were set based on the emissions reported in the 2021/22 SECR Annual Report and for the majority of elements they remain a fair benchmark against which to measure current carbon emissions. However, the baseline for two Scope 3 elements was amended in 2024 following significant changes to working practices which were documented in the company's 2024/25 Carbon Reduction Plan.</p>	
Baseline Year Emissions: 2021/22 (1st June 2021 – 31st May 2022)	
EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	427.22
Scope 2	74.69
Scope 3	<b>405.28</b>  This figure includes the emissions from the required subset of 5 out of the 15 Scope 3 Categories (as identified within the Scope 3 – Corporate Value Chain Accounting & Reporting Standard). They are: <ul style="list-style-type: none"><li>▪ Cat 4: Upstream Transportation &amp; Distribution*</li><li>▪ Cat 5: Waste Generated in Operations*</li><li>▪ Cat 6: Business Travel</li><li>▪ Cat 7: Employee Commuting*</li><li>▪ Cat 9: Downstream Transportation &amp; Distribution</li></ul>
<b>Total Emissions</b>	<b>907.19</b>

\*Data includes estimates.



# 5.0

## Current Emissions Reporting:

**Reporting Year: 2021/22 2022/23 (1st June 2022 – 31st May 2023)**

### Additional Details relating to the Reporting Year calculations:

The emissions reported below were quantified within McAvoy's 2022/23 Annual Energy & Carbon Report, which was produced in accordance with the government's requirements for Streamlined Energy and Carbon Reporting (SECR). It was based on the 2013 UK Government environmental reporting guidance and also used the GHG Protocol Value Chain (Scope 3) Standard.

### Baseline Year Emissions:

EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	159.02
Scope 2	43.94
Scope 3	296.17  This figure includes the emissions from the required subset of 5 out of the 15 Scope 3 Categories (as identified within the Scope 3 – Corporate Value Chain Accounting & Reporting Standard). They are: <ul style="list-style-type: none"> <li>▪ Cat 4: Upstream Transportation &amp; Distribution*</li> <li>▪ Cat 5: Waste Generated in Operations*</li> <li>▪ Cat 6: Business Travel</li> <li>▪ Cat 7: Employee Commuting*</li> <li>▪ Cat 9: Downstream Transportation &amp; Distribution</li> </ul>
<b>Total Emissions</b>	<b>499.13</b>

\*Data includes estimates.





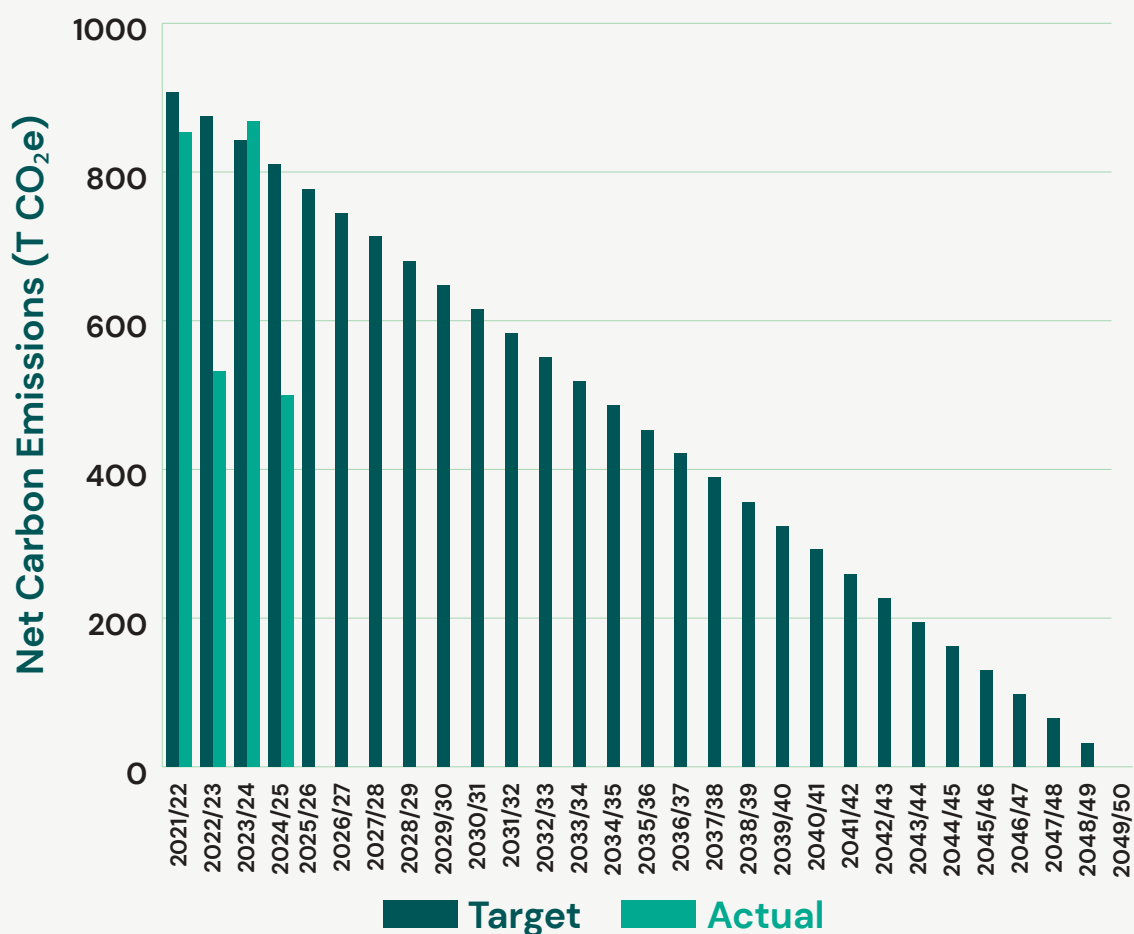


## Baseline Emissions Footprint:

McAvoy's ultimate target is to achieve Net Zero emissions by 2050 (across the full value chain – scopes 1, 2 & 3).

To achieve this, the company is committed to reducing total Net Emissions by 3.6% per year and to achieve a minimum reduction of 18% by 2027.

### McAvoy Annual Net Carbon Emissions (Target vs Actual)



During 2024/25, McAvoy operations resulted in net emissions of **499.13 Tonnes CO<sub>2</sub>e**. This represents a 45% reduction in total emissions from the 2021/22 Base Year. A carbon intensity metric of 'Tonnes CO<sub>2</sub>e per £1 million turnover' was chosen to analyse company emissions against company performance. With a reported turnover of **£44.02m** during this reporting period, McAvoy's carbon emissions intensity for 2024/25 was **11.35 Tonnes CO<sub>2</sub>e/£m turnover**. This represents a 1.7% reduction in the company's 2021/22 Base Year emissions of 11.55 Tonnes CO<sub>2</sub>e/£m turnover.



## Carbon Reduction Projects:

### Performance to Date

In recent years McAvoy have won a number of awards for their approach to Net Zero. The most prestigious being 'Consideration of Net Zero using MMC' Construction Award at the inaugural Modern Methods of Construction Awards for the Merstham Park School project.

Winning this award was recognition of the hard work by McAvoy's team and all project stakeholders to successfully deliver the 'Low Carbon Pathfinder' school. Using digital technology and Modern Methods of Construction enabled the reduction of the school's water demand by more than 30%, operational energy consumption by more than 73%, and carbon emissions by almost 60% of the predicted regulated energy use. Low or Zero Carbon Technologies (LZCTs) also provide up to 44% of peak energy demand of the school.

In addition to this, a number of significant carbon saving initiatives have been delivered, including:

- Energy Champions were appointed to cover three key areas of the business:
  - Lisburn factory operations.
  - Company fleet and logistics.
  - Construction sites.
- 100% of the electricity supplied to McAvoy's Lisburn HQ and factory site was generated from renewable sources. This reduced McAvoy's annual Scope 2 emissions by 59.4 Tonnes CO<sub>2</sub>e.
- Carbon Literacy training was delivered to 20 senior McAvoy employees in January 2025.
- Additional EV charging points have been installed at Lisburn HQ.
- A standard, low carbon specification for all site accommodation was developed and issued to suppliers for all units installed after 1st January 2023. Compliance with this continues to be monitored.
- The phased roll out of LED lighting continues, with the target of 100% LED throughout McAvoy sites by 2026.





## Plans for Future Carbon Reduction

Lead by an internal Carbon Management Team, McAvoy is committed to delivering the following carbon saving initiatives:

- Grid electricity supplies will be prioritised on construction sites fed from 100% renewable sources. Planning around this is being added to the company's standard prelims, to ensure that it is accommodated at the earliest opportunity on each project.
- Where electricity is provided by a client, the company will advise to prioritise a supply from renewable sources and, where available, ensure that this is accurately captured within carbon reporting structures.
- A phased introduction of biofuel in place of standard diesel in construction site generators, where practical.
- A reduction and replacement of diesel forklift trucks is planned for the Lisburn factory. Within the next 6 months, the company intends to remove 6 diesel forklifts and replace them with electric equivalents. 1 diesel forklift will also be kept.
- Further develop the depth and accuracy of the company's Scope 3. In particular:
  - Work with our software provider to investigate the viability of automated reporting systems.
  - Develop an in-house, employee commuting reporting system.
  - Engage with key suppliers to improve the accuracy of Upstream Transportation & Distribution reporting and eliminate the need of estimating.
- Continue to maximise opportunities for Solar PV systems on construction sites.
- Commission detailed Energy Audit of the company's construction and manufacturing facilities to identify additional energy saving opportunities.
- Further develop reporting systems for embodied carbon and subcontractor reporting.
- Engage with supply chain partners on sustainable procurement practices.
- Work with rental car providers to ensure that hybrid vehicles are prioritised.
- Continue to reduce total carbon emissions by a minimum of 3.5% per annum against 2021/22 Base Year.





## 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.

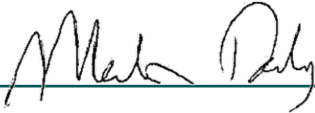
Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard<sup>1</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<sup>2</sup>.

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<sup>3</sup>.

This Carbon Reduction Plan has been reviewed and signed off by the board director with responsibility for ESG.

**Name:** Martin Daly

**Position:** Chief Finance Officer

**Signed:** 

**Date:** 22/10/2025

**1 Greenhouse Gas Protocol, Corporate Standard** – <http://ghgprotocol.org/corporate-standard>

**2 Government Conversion Factors for Company Reporting of Greenhouse Gas Emissions** – <http://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

**3 Greenhouse Gas Protocol, Corporate Value Chain (Scope 3) Standard** – <http://ghgprotocol.org/standards/scope-3-standard>







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