

Carbon Reduction Plan

Mawdsley-Brooks & Company Limited ('Mawdsleys')

Publication date: 1st March 2025

Commitment to achieving Net Zero

Mawdsleys is committed to achieving net zero emissions by 2045.

We recognise that as a business we need to act responsibly to protect the environment by minimising our carbon footprint and improving sustainability across our business.

Baseline emissions in 2023/24 provide the reference point against which year-on-year emissions, when recalculated, can be measured. We completed an initial baseline assessment for calendar year 2021 (details included below for reference), but have opted to undertake a further, more extensive, evaluation last year, which now provides a more comprehensive baseline for our pathway. The most recent baseline is calculated over Mawdsleys financial year to align with SECR reporting requirements.

Scope	2021 (tCO ₂ e) Baseline emissions footprint	2023/24 (tCO ₂ e) Current emissions reporting	Change
Scope 1			
Fuel (Gas), Location-based	250	295	18%
Fuel (Gas), Market-based	Not included	59	n/a
Refrigerants	380	1,083	185%
Company vehicles	3,461	4,982	44%
Scope 2			
Electricity purchased, Location-based	555*	775	40%
Electricity purchased, Market-based	0	0	0%
Total Scope 1 & 2 - Location based	4,646	7,135	53%
Total Scope 1 & 2 - Market based	Gas not incl.	6,124	n/a
Scope 3 - Upstream			
Purchases - Pharmaceutical	Not included	57,947	n/a
Purchases - non-Pharmaceutical	13	91	600%
Capital Good	Not included	15	n/a
Energy	254	299	18%
Business Travel	40	22	-45%
Transport	94	382	306%
Commuting & Homeworking	555	581	5%
Waste & water	5	15	200%
Scope 3, Downstream			
Transport	Not included	1,036	n/a
Total - Location based and incl. Pharma		67,523	
Total - Location based and excl. Pharma	5,612	9,576	71%
Total - Market based and Inc. Pharma		66,512	
Total - Market based and Excl. Pharma		**8,801	

* Not reported in 2021 but calculated to compare with 2023/24 using 2021 electricity usage and emissions factor

** Data used to produce SECR 2023/23 (Scope 1 & 2 only).

In a like-for-like comparison, emissions in 2023/24 are 71% higher than in 2021 (location-based, excluding pharma) and Scopes 1 and 2 are 53% higher than in 2021 (location-based). This result reflects the more sophisticated and extensive nature of the latest evaluation and the increase in our activities across the business, as detailed below.

Scope 1 – emissions in this reporting year are 55% higher than in 2021 using the location-based approach. This is largely due to an increase in our logistics operations and more comprehensive reporting around the use of refrigerants. Reducing emissions in these areas remains a priority, and our primary net-zero focus.

Scope 2 – in 2021 a market-based calculation (representing the energy purchased at the relevant sites) of zero was recorded, which is the same for 2023/24. During both periods, all Mawdsleys electricity tariffs were backed by the Renewable Energy Guarantees of Origin (REGO) scheme. A location-based calculation (representing the physical emissions generated at the relevant sites) was not included in the 2021 assessment but has been calculated and applied retrospectively to compare with 2023/24 using 2021 usage and emission factors and suggests that such emissions have increased by 40%.

Scope 3 – in 2021, emissions linked to the purchase of pharmaceutical products and third-party distribution were not included in the evaluation. For 2023/24, this data has been considered and consequently the recorded emissions for both upstream and downstream transportation rose significantly.

Completed carbon reduction projects

The following measures have already been completed:

2018

- EV charging points installed at various sites.
- Motion sensors installed at various sites.

2019

- First fully electric vehicles added to the company car fleet.
- Introduced segregation of office, metal and plastic waste to increase recycling.
- Joined The Climate Group EV100 group of companies.

2020

- Started to install Trailer PV roof units on HGV and van fleets to reduce fuel consumption (now part of standard vehicle specification).
- Introduced a cycle to work scheme.
- Started to change sites over to LED lighting.
- Began switch to REGO certified electricity suppliers.

2021

- Refitted a site with double glazing and upgraded insulation to reduce energy consumption.
- Updated company car policy to EVs or hybrid vehicles only.
- Completed switch to fully REGO certified electricity suppliers across all sites.
- Sourced new gas contract which includes 100% carbon offset.

2022

- Completed the installation of LEDs at all warehouses to reduce energy consumption.
- Concluded the fitting of EV charging point at all sites.
- Introduced driver monitoring software to help optimise route planning and save fuel.

2023

- Began trial of E-cool trailers to assess their performance as a viable replacement for standard diesel refrigerated units to reduce emissions.
- Explored the use of Hydro Treated Vegetable Oil (HVO) as a replacement for diesel, however given its premium pricing, this was not commercially viable.

2024

- Installation of solar roofing at Redhouse distribution depot in Doncaster, which comprises of a 1,688kW PV array and 2,600kWh battery. When optimised, this is expected to generate up to 68% of the facility's power.
- Completed data modelling exercise to identify where additional EV vehicles can be added to 3PL fleet as a replacement for ICE (internal combustion engine) vehicles.
- Introduced first EV tractor unit to 3PL fleet to begin a proof of concept as a replacement for ICE equivalent.

2025

- Two 3.5t EVs added to hospital distribution fleet as a proof of concept for the next phase of the transition to an all-electric fleet.

Future carbon reduction initiatives

Over the next two years we plan to implement measures aimed at decarbonising the impact of our fleet of vehicles and the use of fossil fuels across our sites to reduce Scope 1 and Scope 2 emissions. In the long-term we intend to work in conjunction with our suppliers to monitor, manage and seek to reduce Scope 3 emissions associated with the procurement of pharmaceutical products. Our objectives include the following:

- Introduce driver behaviour telematics to encourage a more fuel-efficient style of driving across the hospital distribution fleet.
- Introduce natural gas refrigeration units in 3.5t vehicles to remove leakage and disposal issues caused by standard refrigerants.
- Review of depot locations to ensure all delivery route planning can be optimised.
- Introduce 160kw fast charging infrastructure at Redhouse to facilitate multi-vehicle charging
- Introduce EV rigid to 3PL fleet to begin a proof of concept as a replacement for ICE equivalent.
- Replace 4 diesel HGV trailers with Ecoool electric units to minimise impact to the environment.
- Begin project to identify and seal air leaks at all sites to improve insulation and reduce wasted energy.
- Begin biodiversity and water conservation strategy to enhance green spaces by supporting controlled pollinator areas and implementing the harvest of rainwater.
- Centralise all waste management contracts to a single supplier to improve recycling rates, transport efficiency and sustainability reporting.
- Upgrade window glazing across all sites by replacing single-glazed units with energy efficient double glazing to improve insulation and reduce heating/cooling demand.
- Scale up use of solar PV panels and battery storage to enhance energy self-sufficiency.
- Complete transition to LED lighting by extending the installation to office areas.
- Replace outdated HVAC systems at two sites (Quest 22 and Quest 90) to lower energy use.
- Expand the use of motion and daylight responsive sensors across key sites.
- Upgrade storage refrigeration units to reduce energy consumption.
- Standardise temperature control across all offices to 21°C to improve energy efficiency.

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 on behalf of Mawdsley-Brooks & Company Limited:



Date: 1st March 2025