

Millbrook Healthcare Carbon Reduction Plan April 2023



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Introduction

As an organisation, Millbrook Healthcare is committed to reducing its carbon footprint and achieving net zero emissions by 2050 by integrating sustainable development into everyday practice and minimising environmental impact wherever possible.

During the process of developing this Carbon Reduction Plan, three key areas have been selected that will allow us to demonstrate reductions in the carbon emissions generated by our activities – energy supply, fleet, and waste.

This plan sets out the current levels of carbon emissions against key areas of the business functions and details the objectives and targets set for reduction and success.

In the last two years Millbrook Healthcare has fulfilled the statutory requirements for Streamlined Energy and Carbon Reporting which includes disclosure of the company's carbon emissions.

Millbrook Healthcare Ltd Streamlined Energy and Carbon Reporting statement covers the reporting period 1st July - 30th June each year and has been prepared in line with the requirements of the Streamlined Energy and Carbon Reporting regulations and the relevant areas of the Greenhouse Gas ('GHG') Protocol Corporate Accounting and Reporting Standard.

Baseline Emissions Footprint

Baseline Emissions 2020-2021 'Location based' Method

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.

The total energy consumption for 2020/2021 was 18,253,819.05 kWh equating to 4,144.879 tCO₂e

Emissions from combustion of gas (Scope 1)	580.274 tCO₂e
Emissions from combustion of fuel for transport purposes (Scope 1)	3,103.587 tCO₂e
Emissions from purchased electricity (Scope 2)	377.091 tCO₂e
Emissions from Transmission and Distribution (Scope 3)	33.370 tCO₂e
Emissions from business travel in rental cars or employee-owned vehicles where company is responsible for purchasing the fuel (Scope 3)	50.557 tCO₂e

Carbon intensity: Emissions of tCO₂e / £m sales revenue during 2020/2021 was 33.791 tCO₂e

Current Emissions Reporting

Current Emissions 2021-2022 'Location based' Method

The total energy consumption for 2021/2022 was 15,136,998.69 kWh equating to 3,458.856 tCO₂e (tonnes CO₂ emissions)

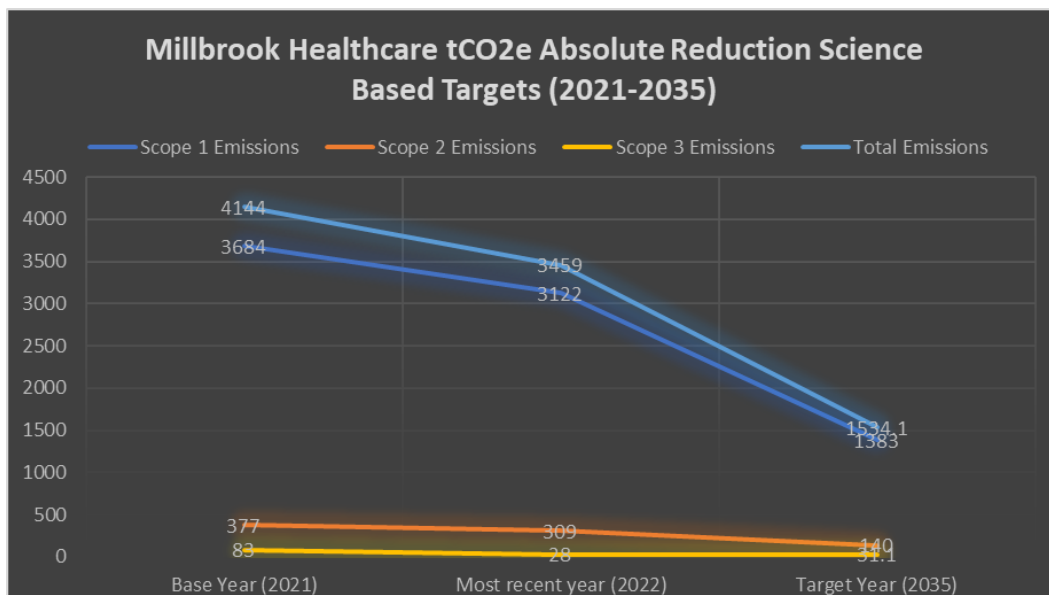
Emissions from combustion of gas (Scope 1)	446.133 tCO₂e
Emissions from combustion of fuel for transport purposes (Scope 1)	2,675.764 tCO₂e
Emissions from purchased electricity (Scope 2)	308.718 tCO₂e
Emissions from Transmission and Distribution (Scope 3)	28.241 tCO₂e
Emissions from business travel in rental cars or employee-owned vehicles where company is responsible for purchasing the fuel (Scope 3)	50.557 tCO₂e

Carbon intensity: Emissions of tCO₂e / £m Sales Revenue during 2021/2022 was 21.657 tCO₂e

Near-term Science Based Targets (SBTs)

As part of Millbrook Healthcare's journey to reach Net Zero, Millbrook Healthcare has committed to an initial physical reduction of emissions in line with the latest climate science framework⁴. The Paris Agreement, signed in 2015, set out an ambition to limit average global temperature rises to well-below two degrees (WB2D), and ideally to 1.5 degrees (1.5D) compared to pre-industrial levels. Science Based Targets (SBTs) have therefore been developed and utilise remaining global carbon budgets typically modelled to the WB2D and 1.5D climate scenarios to provide organisations with specific reduction targets reflective of its base year emissions levels.

The graph below shows Millbrook Healthcare actual recorded emissions for Scopes 1, 2, 3 and its total emissions for the last two reporting periods. In addition, the graph details our 2035 near-term projected Science Based Target (SBT).



The data shows a considerable reduction in emissions across all 3 scopes and its total emissions for 2021/2022 in comparison to the previous reporting base year (2020-2021). A total reduction of 17% is pleasing but the challenge for Millbrook Healthcare is to ensure the company maintains this downward curve to initially meet its 2035 Science Based Target and carbon neutrality thereafter through efficiency action and associated objectives.

Energy

The company strategy has been to purchase renewable energy backed by Renewable Electricity Guarantees of Origin (REGO) certificates. Through this strategy, within the above 2021/2022 total energy consumption, the company has sourced a total of 1,427,593.00 kWh of REGO backed (zero emission) electricity equating to 89.42% of total electricity use.

Energy efficiency actions taken:

- Developed 2023-2024 Environmental Strategy and Objectives to establish a framework of actions that will set us on the path to carbon neutrality
- Introduction of a bi-annual site energy audit
- All new service centres are fitted with PIR/LED lighting, and replacements in remaining service centres are increasing.
- All air conditioning units are serviced every 5 years to a TM44 level in line with current regulatory guidance. These are serviced annually otherwise to ensure efficiency.
- Gas heating methods are thermostatically controlled from October through to March, and turned off from April to October in many Service centres.
- Cisterniser's are fitted to urinals and toilet cisterns are dual flush.
- Use of technology to communicate and hold meetings virtually rather than traveling to sites continues.
- Ensuring end of day procedures include the switching off of monitors, computers, printers, photocopiers, lighting, and heaters/fans.
- All vehicles are regularly serviced and maintained to ensure minimum levels of emissions are produced.
- Most of our Service centres have double glazing.
- We have thermal barriers across our sites for both internal & external doors

Objectives

By 2030, we aim to:

- source over 75% REGO backed (zero emission) electricity.

By 2035, we aim to:

- have reduced our emissions in each of these areas by at least:

Combustion of gas (Scope 1)	50%
Combustion of fuel for transport purposes (Scope 1)	75%

Purchased electricity (Scope 2)	50%
Transmission and Distribution (Scope 3)	50%
Business travel in rental cars or employee-owned vehicles where company is responsible for purchasing the fuel (Scope 3)	75%

Fleet

In line with the Government plan to ban the sale of new fossil-fuelled vehicles in 2030, Millbrook Healthcare has reviewed the fleet strategy to ensure that vehicle renewals are planned with a view to be zero emission by 2035.

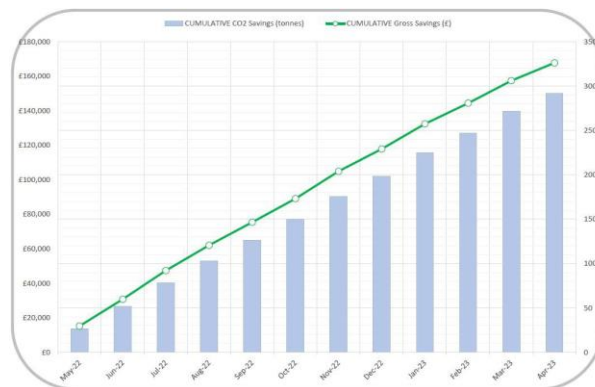
In March 2023 the business completed an electric van trial of the new Volkswagen ID Buzz Cargo at our Northamptonshire service centre. The vans cargo weight capacity was suited to the centres PPM technicians work stream. Finding charging points whilst on the road did have some challenges especially in rural locations, overnight charging at the depot enabled the van to be fully operational for the next day's work.

The leading commercial vehicle brands are now progressing with hydrogen vans of various cargo capacities which could cater for all Operational contracts in the future. The plus point is that it takes the same time to refill a hydrogen tank as a fossil fueled van compared to a minimum 30 minutes at a public rapid charger to get the electric van up to just 80% capacity. Co2 levels for hydrogen vans are the same as electric vans 0%. The downside to both types of vehicles is the initial purchase price which in most cases is excess of 45% more than of a fossil fueled vehicle.

We will continue to review options of our fleet and continue to await for the Government 'Electric Vehicle Strategy, funding and plan to deliver a vast enough infrastructure to make this a viable option. In the meantime, we continue to drive behavior changes across our fleet that reduce CO2 emissions. We installed Lightfoot technology which provides drivers with a green speed target in which to drive in, resulting in a reduction in fuel consumption and therefore, Co2 emissions.

Cumulative Fuel Savings – Fleet Wide

GROSS fuel savings



Savings to date

£168,000

GROSS fuel savings

291.9 t

Tonnes of CO2 emissions

Objectives

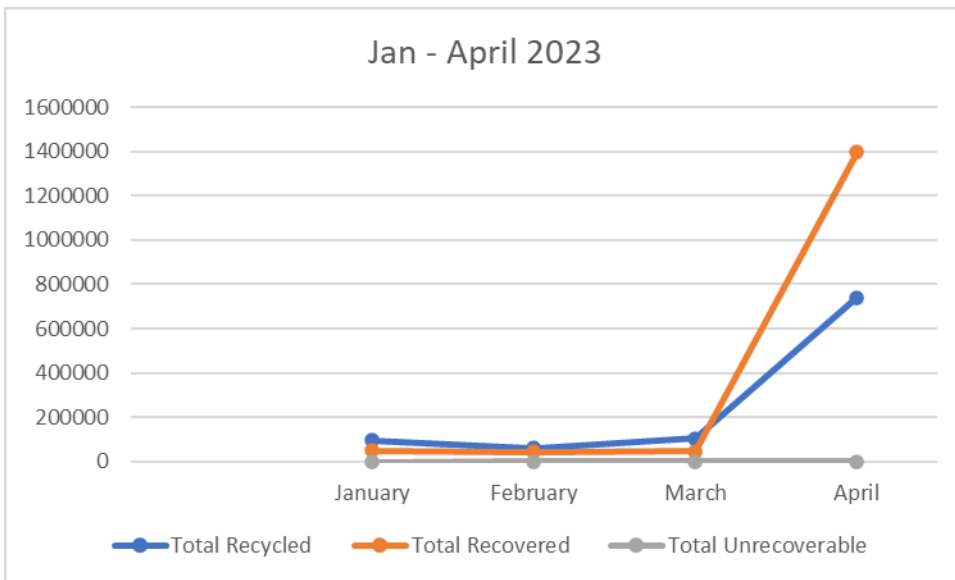
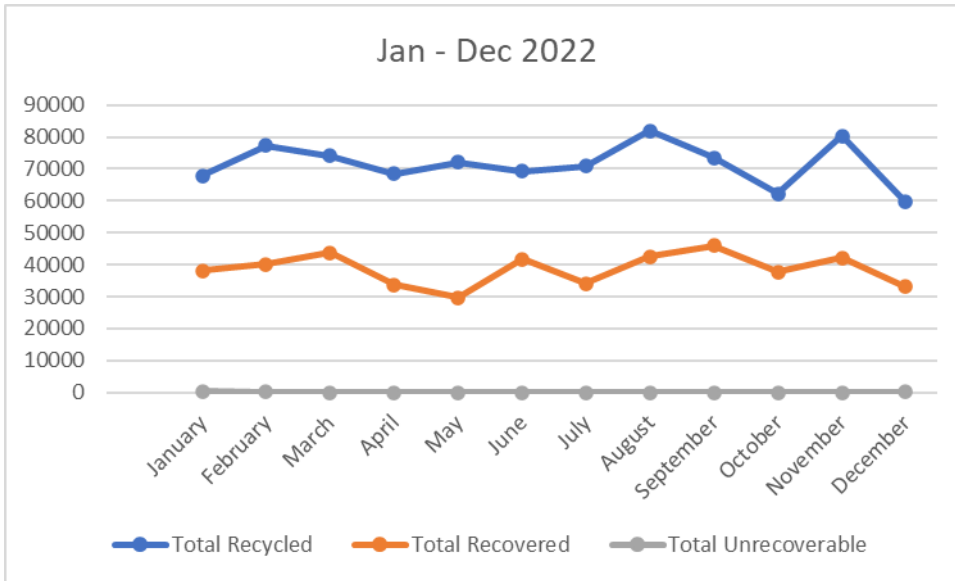
By 2035, we aim to:

- have a zero fossil fuel fleet in use across the business.

Waste

Millbrook Healthcare, is continuing to working in partnership with Baxter Environmental, and continue to prioritise recycling rates across our core products.

The amount of waste being recycled has stabilized across the year but pleasing the amount of unrecyclable waste has almost disappeared across Millbrook Healthcare operations. For 2022, our unrecyclable waste steam percentage has been calculated at 0.04% suggesting that we are way-ahead of 2035 target for unrecoverable waste but the greater challenge for Millbrook Healthcare is to ensure we continue with our focus of **Reduce – Re-use – Recycle**.



Ongoing initiatives include:

Product	All Community Equipment Services are set high product 'recycling' targets with a focus on core equipment being re-used and sent out to service users wherever possible.
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Mattresses	Taking mattresses out of the waste stream and recycling them into carpet underlay. Includes animal bedding and animal toys. Recycling of foam waste.
Cardboard	Balers placed in large service centres with small centres sending their cardboard across to them. All cardboard is sent to recycling.
Packaging	Polystyrene packing blocks replaced with cardboard. Workwear supplier is using 100% sustainable, biodegradable, compostable and recyclable packaging on deliveries.
Site	Targeted site reduction exercises for sites with higher recovered waste rates and lower recycling rates.

Objectives

By 2035, we aim to:

- Have less than 0.05% unrecoverable waste in use across the business.
- Reduce our carbon emissions by 50% across our waste streams.

Finally, as an ISO14001:2015 accredited company we are constantly reviewing our environmental impact through the setting of targets and objects via our management review process. Progress to certifying with Planet Mark to measure, engage, communicate, and achieve year on year improvements in carbon emission reduction has been delayed but is in our plans for late 2023.

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 by the Millbrook Healthcare Group Board.

Signed by the Chief Executive Officer

19 May 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>

⁴<https://sciencebasedtargets.org/step-by-step-process#develop-a-target>