Carbon Reduction Plan

Supplier name: ERS Transition Ltd T/A ERS Medical

Publication date: April 2022

Commitment to achieving Net Zero

- **ERS Medical** is committed to achieving Net Zero (direct) emissions by 2040, in line with the NHS's Net Zero roadmap.

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: 1.1.2020 – 31.12.2020

Additional Details relating to the Baseline Emissions calculations.

ERS Medical is at the start of our Net Zero journey. Despite this, historically, we have consistently acknowledged and maintained a commitment to greener operations, given that we operate a large patient transport and medical courier network across the country.

With national operations and a fleet of just under 500 vehicles, we aim to minimise environmental impact where possible and we have various initiatives in place to support our aims (below).

ERS Medical has set our baseline year as 2020. However, data from this baseline year does not represent pre-pandemic activity of patient transport services.

In 2021, despite the increase in our fleet numbers from the previous year, returning to pre-pandemic activity levels and increasing services in new regions with new contracts, we have maintained a steady reduction of our emissions per vehicle, resulting in a reduction of 110 tonnes of CO_2 in just one year, with comparable vehicle numbers.

This significant reduction of CO_2 is a clear reflection of the operational efficiencies and innovations we apply to service delivery.

We have achieved this by implementing operational efficiencies with journey planning. Additionally, we have a comprehensive fleet replacement programme that replaces older vehicles with more efficient vehicles featuring newer engines. 70% of our fleet is less than three years old with a further fleet replacement programme taking place in 2022, which will take this up to 90%.

Furthermore, as per the target we set for ourselves, we successfully launched a commercially viable electric ambulance in one of our key contracts. The success of this means we are now launching a fully electric non-emergency patient transport fleet for Homerton Healthcare NHS Foundation Trust – replacing the existing fuel-run fleet.

Scope 1, 2 and 3 emissions: We have sourced and calculated all available data for Scope 1 and Scope 2 emissions utilising our fleet management software and energy usage. We have used the market-based approach to calculate the emissions based on the UK market for the gas and electricity that has been used analysing our utility bills for the 2 periods. We are unable to calculate Scope 3 emissions currently and have targeted ourselves to measure this from 2023/24.

Baseline year emissions	
EMISSIONS	**TOTAL (tCO_2e)**
Scope 1	3431
Scope 2	241.16
Scope 3 **(Included Sources)**	Currently not calculated
Total Emissions	3,672.16

Current Emissions Reporting

Reporting Year: 1.1.2021 to 31.12.2021	
EMISSIONS	**TOTAL (tCO_2e)**
Scope 1	3747
Scope 2	245.58
Scope 3 **(Included Sources)**	Currently not calculated
Total Emissions	3,992.58

Emissions reduction targets

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

• Significantly reducing carbon emissions, in line with the NHS's Net Zero roadmap to reach Net Zero by 2040 (for the emissions that we can control).

• Following the NHS Non-Emergency Patient Transport decarbonisation timeline, as follows:

a. By 2023, replace 50% of our fleet used to deliver contracts with vehicles with the latest emission standards, ultra-low emission vehicles (ULEV) or zero emission vehicles (ZEV) and 75% of the fleet from 2026.

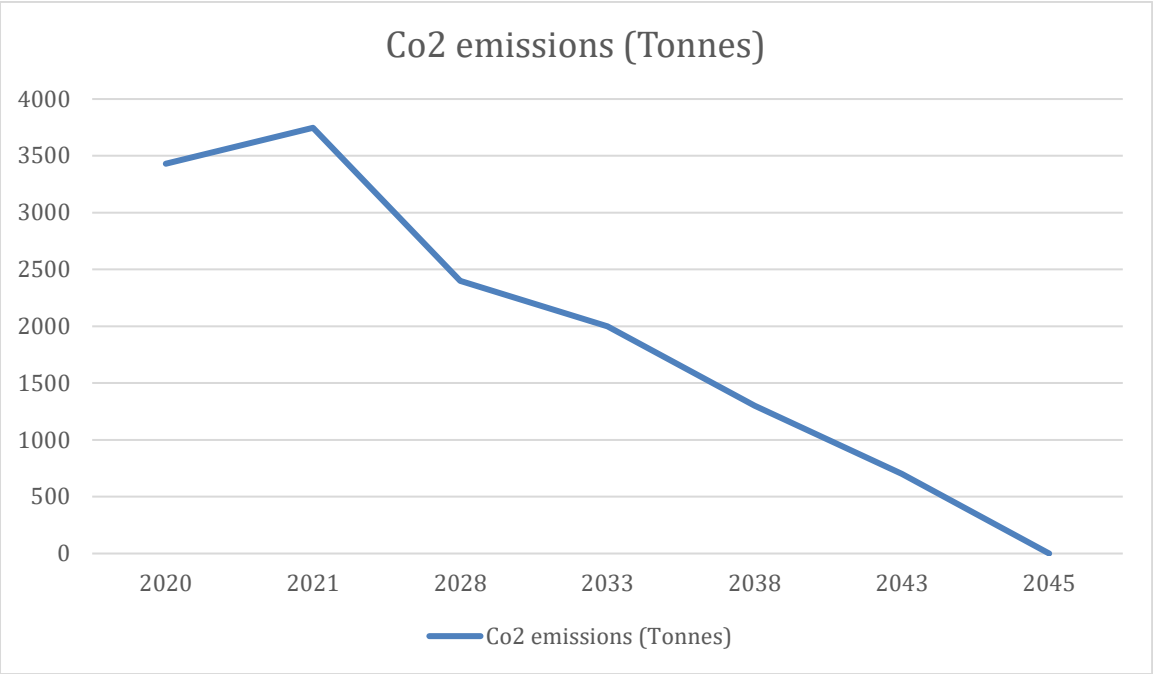
b. Specifically, we have set ourselves a target to introduce electric vehicles to our fleet as follows, with the aim of replacing 100% of our fleet with electric vehicles by 2035 *(as per the NEPT vehicle decarbonisation timeline)**:

2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
1% of fleet	2%	4%	7%	10%	15%	20%	30%	40%	50%	60%	70%	85%	100%

** Targets based on 2021 fleet numbers of 520 vehicles; targets will require buy-in from commissioners in contracted regions and is also dependent on business growth rate and corresponding fleet size. These targets will be reviewed annually.*

We project that carbon emissions will decrease over the next five years to 2940tCO_2e by 2028. This is a reduction of **36**%.

Progress against these targets can be seen in the graph below:



Carbon Reduction Projects

Our objectives are aligned to the principles set out in ISO 26000, ISO 9001 and ISO 14001 as well as the UN Sustainable Development Goals 12.5, 12.6 and 12.7.

We utilise the ISO 14001 Environmental Management System to educate and encourage new initiatives in line with global CO_2 and environmental impact reductions.

Completed Carbon Reduction Initiatives:

The following environmental management measures and projects have been completed or implemented since the 2020 baseline. The carbon emission reduction achieved by these schemes equate to 110 tCO_2e reduction against the 2020 baseline and the measures will be in effect when performing our contracts for our customers.

- **Fully electric fleet for non-emergency patient transport**

In 2021, in line with the target that we set for ourselves, we launched a commercially viable electric ambulance in one of our key contracts.

Deployed for the use of Homerton University Hospital and its community services, the zero-emissions patient transport vehicle paves the way for our cleaner and greener transport vision.

With a range of 219/185 miles (city/combined), it saves over 12943.71kg of CO2 emissions per year when compared to a diesel vehicle equivalent driving 30,000 miles per annum.

This saving of CO2 per annum is equivalent to 1271 gallons of diesel consumed or 14321 pounds of coal burned.

Following on from the successful launch of the first electric ambulance, ERS Medical will be launching a fully electric non-emergency patient transport fleet for Homerton University Hospital by October 2024. This target will be met by steadily rolling out electric ambulances in 2022 and 2023, which will replace the existing fuel-run fleet.

Homerton Healthcare Foundation Trust will be the first Trust in the UK with a fully electric fleet for its non-emergency patient transport service.

- **Comprehensive fleet replacement programme:**

We have replaced our older vehicles with more efficient vehicles featuring newer engines. 70% of our fleet is less than three years old with a further fleet replacement programme taking place in 2022, which will take this up to 90%.

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

- VR training platform
- Drone deliveries for medical courier 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 standard[1] 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) Standard[3].

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:

Andrew Pooley, Chief Executive Officer

Date: 15/04/2022

[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