
Carbon Reduction Plan

Air Liquide Healthcare Limited, as part of the Air Liquide Group, is fully committed to achieving carbon neutrality by 2050, aligning with both international climate efforts and the NHS's ambitious net zero targets. Our strategy revolves around performance and sustainability, with a focus on supporting customers and patients while addressing climate change and societal transformation. This approach dovetails with the NHS's goal of becoming the world's first net zero national health service, targeting net zero by 2040 for the emissions they control directly (the NHS Carbon Footprint) and by 2045 for the emissions they can influence (the NHS Carbon Footprint Plus).

We aim to invent and shape the future through advanced technologies and customer-centric services, recognising the shared responsibility of states, companies, and citizens in building a sustainable future. This vision aligns closely with the NHS's commitment to sustainable healthcare delivery. Air Liquide plays a crucial role in reducing CO₂ emissions across various sectors, including healthcare.

The following elements constitute the fundamental pillars of Air Liquide's ambitious commitment to shaping a [sustainable future](#).

In healthcare, we strive to improve patients' quality of life and contribute to a more efficient health system, mirroring the NHS's focus on sustainable models of care. Our efforts in this area include improving the quality of life for chronic patients at home and enhancing access to medical oxygen in rural communities, which supports the NHS's goals for equitable and sustainable healthcare provision.

Trust is the foundation of Air Liquide's approach, with an emphasis on creating a safe, inclusive, and engaging workplace that fosters employees' inventiveness and supports their development. This ethos extends to our interactions with the NHS, promoting responsible behaviour in our operations and stakeholder relationships. We value diversity and inclusion highly, seeing them as sources of dynamism and performance drivers, which aligns with the NHS's own commitments to workforce diversity and well-being.

Air Liquide is committed to achieving carbon neutrality by 2050, with an intermediate target of reducing CO₂ emissions by 33% by 2035. This commitment supports and extends beyond the NHS's own net zero targets.

We focus on developing low-carbon solutions to decrease our carbon footprint and assist industrial customers, including NHS facilities, in reducing their emissions. Our strategy centres on three main levers for decarbonisation that complement NHS objectives: asset management, low-carbon electricity sourcing, and carbon capture usage/storage.

As a key supplier to the NHS, we acknowledge our crucial role in the NHS Carbon Footprint Plus and have tailored our plan to support the NHS's sustainability agenda. We are dedicated to developing innovative solutions that can contribute to sustainable healthcare infrastructure and practices.

This updated Carbon Reduction Plan reflects our progress and renewed strategies based on the latest 2023 emissions data, the Air Liquide Group sustainability report, and the NHS's 'Delivering a Net Zero National Health Service' plan. It demonstrates our commitment to being a proactive partner in the NHS's journey towards net zero emissions, while also advancing Air Liquide's global sustainability goals.

Supplier name

Air Liquide Healthcare Limited

Publication Date

September 2024

Commitment to achieving net zero

Air Liquide Healthcare Limited 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 2021

Additional Details relating to the Baseline Emissions calculations.

Baseline emissions (as well as current emissions) for Air Liquide Healthcare Limited have been determined by considering the total greenhouse gas emissions produced by the company in the UK. These emissions have been allocated for each relevant scope.

The baseline figures used for this assessment were obtained from 2021. Data for Scope 1 and Scope 2 emissions has been collected and recorded, while data for Scope 3 emissions is currently being investigated, compiled and evaluated. Our scope 3 data is derived from our logistics partner XPO.

EMISSIONS TOTAL (tCO2e)

- **Scope 1** **1964.66**
 - **Scope 2** **350.44**
 - **Scope 3** **644.93**
- Total Emissions** **2959.9 tCO2e**

Year 2022

EMISSIONS TOTAL (tCO2e)

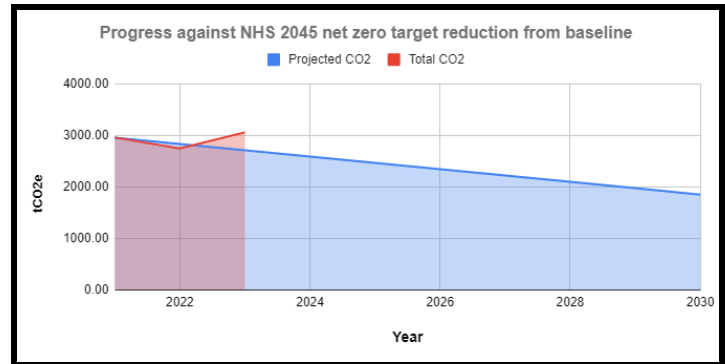
- **Scope 1** **1892.75**
 - **Scope 2** **292.99**
 - **Scope 3** **559.42**
- Total Emissions** **2749.2 tCO2e**

Current Emissions Reporting

Year 2023

EMISSIONS TOTAL (tCO2e)

- **Scope 1** **2166.62**
 - **Scope 2** **350.96**
 - **Scope 3** **544.21**
- Total Emissions** **3061.8 tCO2e**



Our 2023 emissions data shows a deviation from our set targets. To address this, we will utilise recognised carbon offsetting schemes as a temporary measure to bridge the gap. These schemes will be carefully selected and used sparingly, complementing our primary focus on direct emissions reduction. This approach ensures we maintain progress towards our long-term sustainability goals, aligning with both Air Liquide Group and NHS objectives, whilst we intensify efforts to enhance our environmental performance.

The following environmental management measures and projects have been completed or implemented since the 2021 baseline. However, despite these efforts, our overall emissions have increased from 2,960.03 tCO₂e in 2021 to 3061.8 tCO₂e in 2023, representing a 12.8% increase against the 2021 baseline projected target for 2023.

To address uncontrollable factors affecting our emissions, we will utilise carefully selected carbon offsetting schemes where necessary. This approach will help ensure we stay on target whilst we focus on implementing direct reduction strategies.

Our primary focus remains on accelerating the implementation of effective carbon reduction projects and exploring innovative solutions to overcome the challenges we've faced. We are confident that with these enhanced efforts, combined with judicious use of offsetting for unavoidable emissions, we can get back on track towards our ambitious reduction targets

Carbon reduction projects

Completed Projects

Air Liquide Healthcare Limited demonstrates our dedication to environmental stewardship through our ISO 14001 certified environmental management system. This system undergoes annual internal and external audits to ensure its effectiveness. By prioritising areas with significant environmental impact, we aim to make a substantial and lasting difference, contributing to a sustainable future.

Installed energy efficient lighting across all of our sites.

100% of energy used is provided through renewable energy sources for our electricity use.

Planned Projects

Over the next several years we plan to implement further measures which will continue to drive down emissions. We are considering several initiatives and those listed below are some examples of areas we are discussing.

We are committed to continuously gathering high-quality primary data on our emissions, which will serve as a foundation for reducing our environmental impact and tracking progress.

Collaborating with key stakeholders: As part of our commitment to carbon reduction, we actively collaborate with key stakeholders. This collaboration involves developing comprehensive carbon reduction plans that include setting carbon budgets and engaging with suppliers. It is important to note that compliance with these plans and engagement with suppliers to achieve net-zero emissions align with Air Liquide's Suppliers code of conduct. We consider this requirement to be compulsory for all our suppliers, emphasising the significance of their contribution to our collective efforts in achieving a sustainable and low-carbon future.

Transition to an environmentally sustainable fleet: We are committed to transitioning our existing fleet of vehicles to more sustainable options, with the goal of significantly reducing emissions from transportation. This transition will be carefully managed, taking into account the available infrastructure, the viability of alternative technologies, and their suitability for patient delivery. We will assess the overall sustainability of each option, considering both the use phase and the entire life cycle of the vehicles.

Our approach involves gradually phasing out conventional fuel-powered vehicles and investing in sustainable alternatives such as EVs, PHEVs, and FCEVs, where appropriate. We will support the development of necessary charging/fuelling infrastructure and promote the use of sustainable vehicles among our employees. However, we recognise that the transition must be balanced with maintaining reliable and efficient patient care services.

Given that our fleet is one of our major Scope 1 contributors, we place considerable emphasis on assessing this dynamically evolving field. We will continually evaluate new technologies and infrastructure developments to ensure our fleet transition aligns with both our environmental goals and our commitment to outstanding patient care and overall sustainability.

Encouraging remote working and virtual meetings: We acknowledge the significant carbon emissions associated with business travel. To proactively address this issue, we have already implemented policies that authorise working from home for two days a week. Furthermore, we are actively exploring and evaluating various possibilities to revolutionise the way we work. By promoting remote working options and leveraging virtual meeting platforms, we are dedicated to reducing the need for business travel. This approach allows us to minimise transportation-related emissions while ensuring effective communication and collaboration among our team members.

To decrease our gas consumption: We prioritise sustainable choices when improving and acquiring new buildings. Additionally, we maintain our commitment to installation of solar and heat pumps at our primary operations filling plant will aid in reducing this. And further investigation at all our other sites.

Training and communication: Education and outreach are crucial for a comprehensive carbon reduction plan. Our training programs will raise environmental awareness and promote a culture of consciousness among employees. By building capacity, employees will acquire the skills to implement carbon reduction strategies. Effective communication channels will engage stakeholders and drive collaboration, fostering innovation and continuous improvement. Regular monitoring and feedback will ensure alignment with stakeholder expectations. Through prioritising training and communication, we can unite our workforce and stakeholders to achieve significant carbon reduction and a sustainable future.

At non-owned sites, we collaborate with landowners to measure electricity consumption, disclose fuel mixes, and transition to 100% renewable energy sources.

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standards 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 Air Liquide Healthcare Limited Steering Committee.

Signed on behalf of the Air Liquide Healthcare Limited:



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3/10/2024

Date:

[Technical standard for Completion of Carbon Reduction Plans](#)

[Guidance on adopting and applying the PPN 06/21](#)

[Greenhouse Gas Protocol Corporate Standard](#)

[Government conversion factors for company reporting of greenhouse gas emissions](#)

[Corporate Value Chain \(Scope 3\) Standard](#)