



Liverpool Women's
NHS Foundation Trust

Our Green Plan

2024-26



Creating a greener
Liverpool Women's

Our Green Plan 2024-26

Liverpool Women's NHS Foundation Trust has made significant progress since the publication of the first Green Plan in 2022. The Trust has shown leadership in several areas of sustainability, gaining regional and national recognition.

The Trust continues to strive to improve the performance in reducing our environmental impact. The Trust recognises the intrinsic link between the environment and health. We take our responsibility seriously to ensure the health and wellbeing of future generations.

This green plan details the contribution can make towards to that ambition.



1. Introduction

1.1 Each year Liverpool Women's Hospital comprising of a team of approximately 1,600 people, takes care of more than 50,000 patients from Liverpool, the surrounding areas and across the UK. As well as delivering care within the hospital we work in the heart of the community, providing care for patients at various clinics across the city.

1.2 Climate change is one of the most serious threats to the continued health and wellbeing of millions of people worldwide. The worst aspects of climate change will inevitably impact greatest on those within society who are most vulnerable and least able to cope. It is therefore vital that action is taken at all levels to implement effective strategies not only to reduce carbon emissions, but also apply the broader principles of sustainable development and healthcare.

The NHS has set a target to reduce carbon emissions. This plan responds to these targets and other requirements placed on the Trust to manage and reduce our environmental impact.

1.3 Caring for our patients in a sustainable manner and being aware of the social impacts of our actions will help achieve the goals of caring for the environment, reducing long term expenditure, and building a supportive base in the society in which we operate.

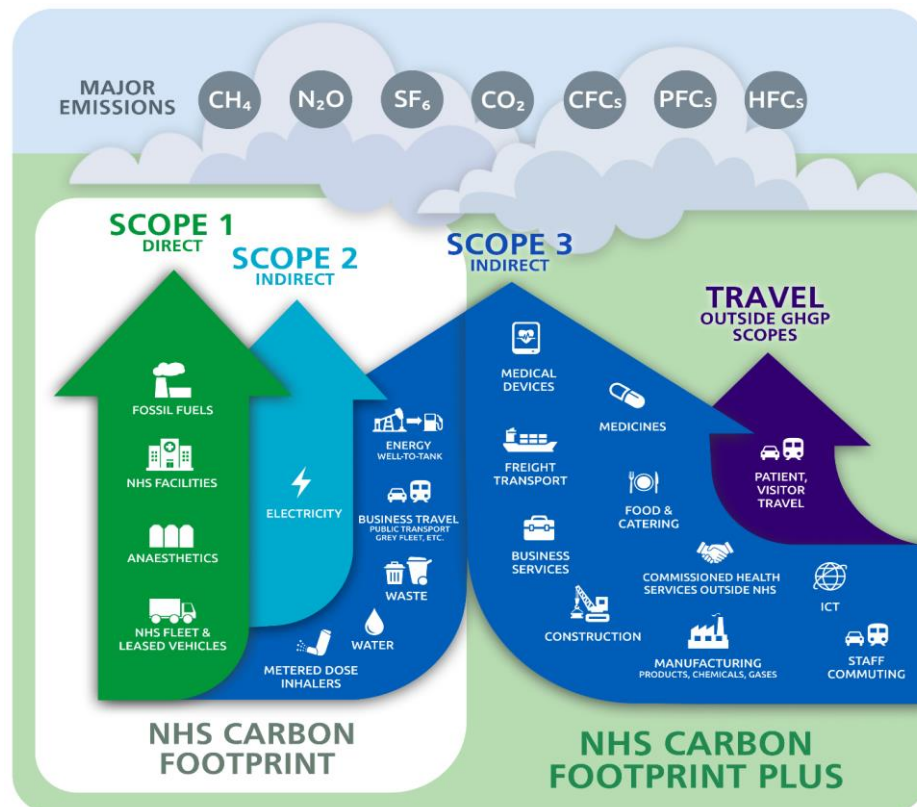
1.4 The Trust's first Green Plan was published in May 2022. The plan set out its objectives across 11 themes. Since then, significant progress has been made across all areas. This updated plan reflects revised objectives, with greater ambition and a much broader scope of activity across all themes and this reflects increased engagement from staff. The detail in this plan will not be exhaustive and time has been allocated in the governance of the programme detailed moving forwards to continue to develop our approach and response to the green agenda.

1.5 This Green Plan outlines projects and activities which will evidence continual improvement in sustainability performance throughout the Trust, covering areas such as staff awareness and engagement, through to projects aimed specifically at reducing the carbon emissions associated with our service delivery and operating our estate.

2. Drivers for Change

2.1 In October 2020, the NHS became the world’s first health service to commit to reaching carbon net zero, with the release of the Delivering a Net Zero NHS report.

This plan sets two key targets: firstly, for emissions directly under our control, we aim to achieve net zero by 2040, with an ambitious interim target of an 80% reduction from 2028 to 2032. Secondly, for emissions we can influence, we are committed to reaching net zero by 2045, with an aspiration of achieving an 80% reduction between 2036 and 2039. In July 2022, the NHS became the first health system to embed net zero into legislation, through the Health and Care Act 2022.



2.2 The NHS Cheshire and Merseyside ICS launched their Green Plan in 2022, in order to align sustainable healthcare practices across the region.

As an organisation, we are committed to working individually as well as at Place and System level. Since the adoption of the first iteration of our Green Plan we have actively engaged with partner organisations to establish system priorities and have been working towards delivering them. This exemplifies the collaborative efforts of Cheshire and Merseyside ICS in mitigating our carbon footprint, reducing health inequalities, and enhancing social value.

This is coordinated across a series of regional subgroups which report up to the Cheshire and Merseyside Sustainability Board, covering Air Quality, Biodiversity & Nature Recovery, Energy, Travel & Transport, Waste, Social Value and Anchors.

3 . Progress to date

3.1 Since the publication of the first version of our Green Plan, significant progress has been across all themes.



Green Plan - Reasons to be Proud 2024

Highlights from the past 2 years.

| | | | |
|--|---|--|---|
| <p>No car idling signs to improve onsite air quality, picked up nationally as NHS initiative</p>  | <p>Procured 100% renewable electricity</p>  | <p>13% of fleet miles now by electric or hybrid vehicles and rising</p>  | <p>Zero Trust waste goes to landfill</p>  |
| <p>One of few Trusts to have calculated our Trust carbon footprint 4,578.31 tonnes CO2e</p>  | <p>Trust charity funds no longer invested in fossil fuel companies</p>  | <p>Waste collections have reduced from daily to every two weeks</p>  | <p>Over 50% of lights fitted now LED, saving ££</p>  |
| <p>22% of outpatient activity delivered virtually, saving 40,000 road journeys</p>  | <p>Worked with suppliers to reduce number of medicine deliveries</p>  | <p>No longer use desflurane gas, reducing emissions from anaesthetic gases</p>  | <p>Procured 100% recycled paper</p>  |
| <p>50% reduction in taxis due to promotion of the shuttle bus</p>  | <p>Coffee grinds removed from general waste stream & given away to be reused as garden fertiliser, saving up to 2 tonnes waste per year</p>  | <p>Hosted 7 Dr bike events, fixing 65 bikes</p>  |  |

A selection of some of the work undertaken in the last two years is highlighted below.

- ✓ Additional resource, with the introduction of a Sustainability Team to support the ongoing progress of the Green Plan.
- ✓ A full site lighting survey has been complete with LED lighting schemes rolled out where necessary. In addition, the Trust committed to purchasing 100% renewable electricity.
- ✓ Completed a travel survey, delivered regular cycling engagement activities, including Dr bikes, and engaged staff and local community in local active travel consultations and workshops to respond to Liverpool City Council infrastructure proposals.
- ✓ The reintroduction of a trust shuttle bus has resulted in a 50% reduction in taxi use.
- ✓ Worked with suppliers and NHS Supply Chain to consolidate medicines delivery schedules to reduce air quality impacts
- ✓ Removed the use of Desflurane, a highly carbon intensive anaesthetic gas. This completed ahead of the national mandate to cease using the gas in 2024.
- ✓ A full review of general and clinical waste streams has been complete resulting in a range of improvements being implemented, including installation of a general waste compactor on site and use of larger skips for additional on site storage resulting in fewer waste collections and reduced miles travelled by waste vehicles.
- ✓ Coffee grinds have been removed from waste streams and are used for reuse as compost saving up to two tonnes waste per year.
- ✓ Introduction of the Social Value Portal, which will be used to measure the wider social, economic and environmental impacts of supplier contracts.
- ✓ Divesting Trust charitable funds from companies who invest in fossil fuels.

In 2023, a detailed exercise was undertaken to accurately calculate the Trust Carbon Footprint, inline with the Greenhouse Gas Protocol.

| Categories | | tCO2e | | | | | | Baseline to present change | |
|----------------------|---------|-----------------|----------|----------|----------|----------|----------|----------------------------|---------|
| | | 2017/18 | 2018/19 | 2019/20 | 2020/21 | 2021/22 | 2022/23 | | |
| NHS Carbon Footprint | Scope 1 | Fossil Fuels | 989.12 | 913.22 | 1,220.04 | 2,126.70 | 2,165.20 | 2,181.92 | 120.59% |
| | | NHS Facilities | 172.48 | 172.48 | 182.91 | 182.91 | 135.30 | 230.52 | 33.65% |
| | | Anaesthetics | 1,816.80 | 1,736.82 | 1,757.53 | 1,543.96 | 1,625.15 | 1,474.88 | -18.82% |
| | | Fleet | 33.95 | 34.05 | 33.09 | 32.45 | 32.46 | 32.00 | -5.74% |
| | Scope 2 | Electricity | 2,042.80 | 1,636.58 | 1,343.23 | 812.00 | 712.99 | 657.60 | -67.81% |
| | Scope 3 | Energy WTT | 696.72 | 529.85 | 475.98 | 468.07 | 635.78 | 603.56 | -13.37% |
| | | Business Travel | 72.13 | 57.91 | 57.65 | 32.21 | 36.23 | 53.97 | -25.18% |
| | | Waste | 18.82 | 17.13 | 18.63 | 47.14 | 69.10 | 21.59 | 14.72% |
| | | Water | 34.25 | 35.41 | 39.48 | 40.98 | 14.07 | 11.25 | -67.15% |
| | | Inhalers | 2.40 | 2.68 | 1.77 | 2.25 | 0.86 | 2.45 | 2.25% |

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|-------|----------|----------|----------|----------|----------|----------|---------|
| Total | 5,879.47 | 5,136.13 | 5,130.31 | 5,288.67 | 5,427.14 | 5,269.73 | -10.37% |
|-------|----------|----------|----------|----------|----------|----------|---------|

4 . Areas of Focus

4.1 The following areas of focus will form the basis of our Green Plan.

1. Workforce and System Leadership
2. Sustainable Models of care
3. Digital Transformation
4. Travel and Transport
5. Estates and Facilities
6. Medicines
7. Supply Chain and Procurement
8. Food and Nutrition
9. Our People our Culture

4.2 The number of actions have grown from 31 to 51, recognising the growing sustainability agenda

5. Reporting

5.1 The structure of this Green Plan has been aligned to that of the Greener NHS Green Plan Guidance. Progress is reported quarterly via the Greener NHS Return and annually to the Greener Fleet Data Return.

5.2 Progress against the objectives detailed in the Action Plan is to be reported to the Trust on an annual basis. Objectives will be reviewed and updated annually. This approach will ensure that continual improvement is made in our environment and sustainability performance, which is reflective of the evolving nature of our service provision.

5.3 The Trusts Annual Report is to include a section on sustainability that provides an overview of activities undertaken during the previous financial year. This will include an update on the Trust's annual carbon emissions.

6. Governance

6.1 A Green Plan Steering Group co-ordinates the implementation of the Green Plan.

6.2 The steering group is comprised of the following members:

- Chief Operating Officer (Chair)
- Head of Sustainability
- Sustainability Team
- Estates Manager
- Health and Safety
- Procurement and Finance
- HR
- Pharmacy
- Clinical representation
- Patient Experience
- Communications

- Health Informatics

6.3 The steering group meets quarterly and provide updates to the Trusts FPBD through the production of a chairs report and annually to Trust Board. The steering group will annually review and update the objectives based on progress and identification of new initiatives and feedback received.

Green Plan Objectives: 2024-2026

| Category | Objective | Lead | Timescale |
|---|---|----------------------------|---------------------------------------|
| Communications and System Leadership | Develop a Communications Plan specifically for the promotion of the Green Plan sustainable developments to staff, patients, and service users. | Communications | Q2 2024/25 |
| | Complete new Green Plan Tool assessment tool once published | Sustainability Team | Within 3 months of publication |
| | Ongoing commitment to divest charitable funds from fossil fuels | Deputy Director of Finance | Ongoing |
| | Explore options for ethical banking | Deputy Director of finance | Q4 2024/25 |
| Category | Objective | Lead | Timescale |
| Sustainable Models of Care | Develop a framework to ensure that existing and new models of care consider their environmental impact and be assessed against it | Chief Operating Officer | Ongoing |
| | Embed sustainability with Trust audit and quality improvement processes | Deputy Chief Nurse | 1 sustainability audit per annum |
| | Explore opportunities to embed prevention in the patient lifecycle | Deputy Chief Nurse | March 2025 |
| Category | Objective | Lead | Timescale |
| Informatics | To reflect the Green Plan ambition in the End User Devices Strategy including <ul style="list-style-type: none"> • Single device Policy • Staff Profile: Right device for right role • Shift to mobile working low power devices • Power management policy: Investment in technology to reduce digital power usage according to usage profiles • Virtual desktop Infrastructure: enable better home working, reduce the need for traditional computers | Chief Informatics Officer | Through lifecycle of Digital Strategy |
| | Where outpatient attendances are clinically necessary, at least 25% of outpatient activity should be delivered remotely, resulting in direct and tangible carbon reductions. | Chief Operating Officer | Ongoing |
| Category | Objective | Lead | Timescale |
| Travel and Transport | Develop a Trust approved Travel Plan | Sustainability Team | Q2 2024/25 |
| | Complete staff, patient and visitor travel survey Q1 25/26 | Sustainability Team | Q1 2025/26 |

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|-------------------------------|---|-------------------------|------------------|
| | Review electrical capacity and opportunities for increase provision of Electric Vehicle charging points across the Trust | Estates | Q4 2024/25 |
| | Explore opportunities to support community vehicle charging within the Trust Estates | Estates | Q4 2025/26 |
| | Organisation's salary sacrifice scheme for vehicles must allow for the purchase of only ultra-low (ULEV) or zero emission vehicles (ZEV) | Procurement | Q2 2024/25 |
| | Organisation's salary sacrifice scheme for vehicles must allow for the purchase of only ZEVs | Procurement | Q1 2025/26 |
| | Introduce cycle to work scheme for staff | Sustainability Team | Q3 2024/25 |
| | Launch a car sharing scheme for staff | Sustainability Team | Q2 2024/25 |
| | Organisation to purchase or lease solely fleet vehicles that are ULEV or ZEV | Estates | Q4 2024/25 |
| | Increase cycle storage facilities for staff | Sustainability Team | Q4 2024/25 |
| Category | Objective | Lead | Timescale |
| Estates and Facilities | Embedding green plan objectives in estates strategy | Estates | Q2 2024/25 |
| | Develop a Heat Decarbonisation Plan | Sustainability Team | Q3 2024/25 |
| | Review and optimisation of the CHP and boiler house run regime | Estates | Q4 2024/25 |
| | Surveying and optimising energy intensive equipment, such as electrical motors | Estates | |
| | Develop a Trust-wide strategy to improve water management and reduce consumption, including metering, leak detection and operational procedures | Estates | Q1 2025/26 |
| | Deliver an annual energy awareness campaign | Sustainability Team | Ongoing |
| | To continue to purchase renewable sourced electricity only | Sustainability Team | Ongoing |
| | Explore opportunities for onsite renewable electricity | Sustainability Team | Ongoing |
| | Write a Climate Change Adaption Plan | Sustainability Team | Q1 2025/26 |
| | Explore opportunities for plastics removal | Estates | Ongoing |
| | Explore opportunities to reuse of cardboard rather than recycling. | Estates | Q3 2024/25 |
| | Commit to zero waste to landfill | Estates | March 2025 |
| | Reinvest 25% of waste cost savings to new waste streams/initiatives | Estates | March 25 |
| | Meet targets within the national NHS clinical waste strategy | Estates | March 25 |
| | Review opportunities to improve biodiversity onsite | Sustainability Team | December 24 |
| Category | Objective | Lead | Timescale |
| Medicines | Investigate more environmentally friendly medicine delivery, through utilisations of local pharmacies and zero emission transportation | Deputy Chief Pharmacist | Q3 2024/25 |

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| | | | % of suppliers that utilise zero emission transportation |
| | Exploring joint procurement to streamline delivery schedules | Deputy Chief Pharmacist | Q4 2025/26 |
| | Continuing education of patients around the impact of medicines and which may be brought into hospital from home before dispensing new medication. | Deputy Chief Pharmacist | Q4 2024/25 Education event for patients & staff regarding medication supplies |
| | Review opportunities for step down from IV to oral medication | Deputy Chief Pharmacist | Q3 2024/25 |
| | Establish one-stop dispensing to reduce wastage from repeat dispensing | Deputy Chief Pharmacist | Q2 2025/26 One-stop dispensing processes established across hospital for medication |
| | Education for staff, making them aware of impact of certain medicine usage in the environment | Deputy Chief Pharmacist | Q4 2024/25 Education event for patients & staff regarding medication supplies |
| | Complete full audit of manifolds and review opportunities to isolate under utilised branches of the supply where appropriate | Deputy Chief Pharmacist | Q2 2025/26 |
| | Complete a review to identify opportunities to reduce use of Entonox, including reducing flow rates, pressure and use of alternative for certain procedures | Deputy Chief Pharmacist | Q4 2025/26 |
| Category | Objective | Lead | Timescale |
| Supply Chain and | Review opportunities for waste avoidance, both in terms of packaging and use of consumable products within the Trust | Procurement | Q2 2025/26 |

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|-------------------------------|---|--------------------|------------------|
| Procurement | Reduce use of single use plastic items, including PPE | Procurement | Q4 2024/25 |
| | Create a LWH Sustainable Procurement Policy | Procurement | Q4 2024/25 |
| | Formalise internal reuse system within the Trust with environmental reporting | Procurement | Q1 2025/26 |
| | Use Social Value Portal to measure social value impact of suppliers and for corporate social value measurement | Procurement | Q2 2024/25 |
| Category | Objective | Lead | Timescale |
| Food and Nutrition | Review and improve catering provision onsite to promote healthier and lower carbon menus, including seasonal and plant-based food | Facilities Manager | December 24 |
| | Baseline food waste volumes and distribution, and develop plan to reduce | Facilities Manager | December 24 |
| | Review opportunities for on the day electronic meal ordering | Facilities Manager | December 24 |
| Category | Objective | Lead | Timescale |
| Our People and Culture | Complete a scoping exercise and develop a framework to support staff to undertake volunteering and other activities as part of the Trusts commitment to CSR (Corporate Social Responsibility) | HR | March 25 |
| | Develop staff communications to improve understanding of the Trusts sustainability agenda through recruitment, selection, induction and appraisal | HR | March 25 |

