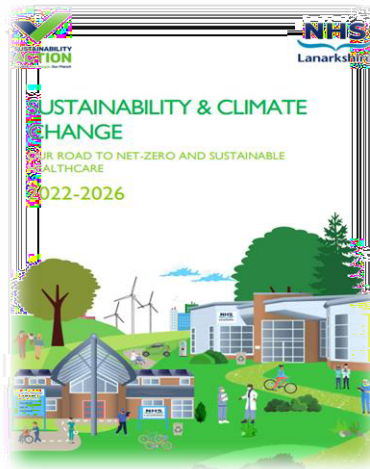
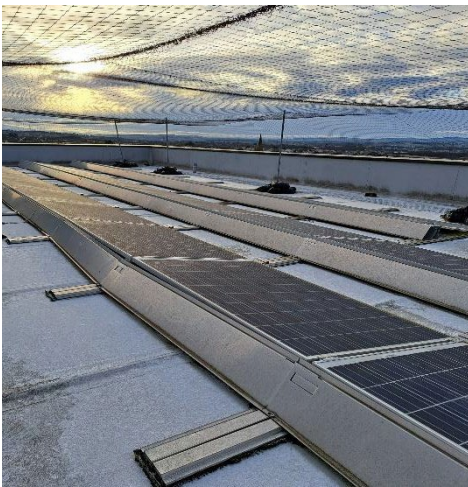


# CLIMATE EMERGENCY & SUSTAINABILITY



## ANNUAL REPORT

# 2022/23

## WELCOME

We are pleased to present NHS Lanarkshire's (NHSL) second annual Climate Emergency and Sustainability Report detailing our progress and introducing some of the work we are doing to reduce the impact our activities have on the environment.

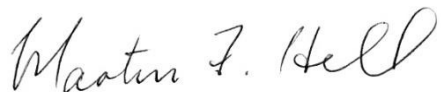
We've had a busy year building on work that was started at the end of 2022 with the launch of our new Sustainability and Environment Strategy. Since then we have taken a significant step forward in understanding how our activities impact on the environment and the challenge we are facing to become a Net Zero Health Service by 2040. We continue to develop a better understanding of the impact of climate change on health and illness and know we need to be responsive and adjust to continue to be sustainable for future generations. Environmental sustainability is a priority for our Board and a key pillar underpinning the work we are advancing to develop our new Healthcare Strategy '*Our Health Together*' scheduled for publication in early 2024.

We are proud of the work we are progressing in this key area and have celebrated a number of successes over the last year. Some highlights are noted below:

- We welcomed 2 new team members to NHS Lanarkshire, Emily Thyng, our Environment and Sustainability Officer, and Craig Brown our new Head of Environmental Sustainability
- We established six new workstream, securing leads and champions from the service to lead on the implementation our Sustainability and Climate Change Strategy which we published in late 2022,
- Colleagues at University Hospital Hairmyres hosted 'Sustainability September' to raise awareness and prompt changes in practice throughout the month
- During our Staff Health & Wellbeing week, Lanarkshire's Green Health Partnership (LGHP) colleagues promoted and raised raise awareness of the benefits of green health activity and engaging with nature across the week.
- Our theatre and estates teams have successfully delivered a series of carbon reducing improvements across our operating theatres, and in the summer of 2023 we finalised decommissioning the Nitrous Oxide manifolds across our 3 acute sites.
- We finalised our 'Routemap to Net Zero' supported by external consultants giving us a far better understanding of the challenges facing us, and allowing us to better focus on what will make the biggest impact to our carbon footprint
- We successfully applied for funding to deliver energy efficiency measures, including the installation of PV at Kirklands Hospital and the West of Scotland Laundry. The improvement work will be delivered through 2024.
- We successfully launched the development of a new greenspace; King George V garden at University Hospital Wishaw for patients, staff and visitors. Local MSP's visited the garden and praised the project development work which will continue to develop this year.
- We were successful in an application for a grant through Cycling Scotland to install cycling infrastructure across NHS Lanarkshire's estate. The improvement work will be delivered in 2024
- We have made great progress on transition of our small vehicle fleet to electric
- We have expanded our links with our College and University partners, and launched a new Intern programme, hosting 2 students as part of their work experience placements in the last quarter of 2023

In addition to the work our small sustainability team and workstream leads are progressing, we continue to engage with and seek ideas and support from operational and clinical teams locally. We also continue to build on the important work we are progressing with our external partners through our Green Health Partnership and continue to develop initiatives that benefit both our staff and patients.

We look forward to sharing the output of these in future reports.



**Martin Hill**  
**Chair & NHS Lanarkshire's Sustainability Champion**

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## I. INTRODUCTION

### What we do

NHS Lanarkshire provides primary care, community and hospital services for more than 664,000 people living within the North and South Lanarkshire local authority areas. The Board covers an area of more 4,732 square km and employs 12,500 people, operating from 172 buildings and manages land and buildings covering an area of 1.2 square km.

We deliver secondary care from our 3 Acute hospitals: University Hospital Monklands, University Hospital Wishaw and University Hospital Hairmyres each with an accident and emergency department and providing a range of specialist medical and surgical services.



There are 2 Health and Social Care Partnerships (North and South) who provide a broad range of community based health and social care services. Primary health care is provided in the community and includes general practitioners (GPs), dentists, pharmacists, health visitors and a wide range of health professionals.

NHS Lanarkshire also operates the West of Scotland Laundry facility, providing services for a number of NHS Boards across central and southern Scotland.

## 2. LEADERSHIP AND GOVERNANCE

In the 2022 annual report, we noted that our governance structures were to be refreshed following the publication of our Sustainability and Climate Change Strategy in October 2022. In early 2023, this restructure was successfully implemented and has ensured that the right people from across the organisation are engaged with this key agenda. The restructure and introduction of 'Workstream Leads' has allowed us to build a work plan to fulfil the commitments and objectives that are detailed in our strategy.

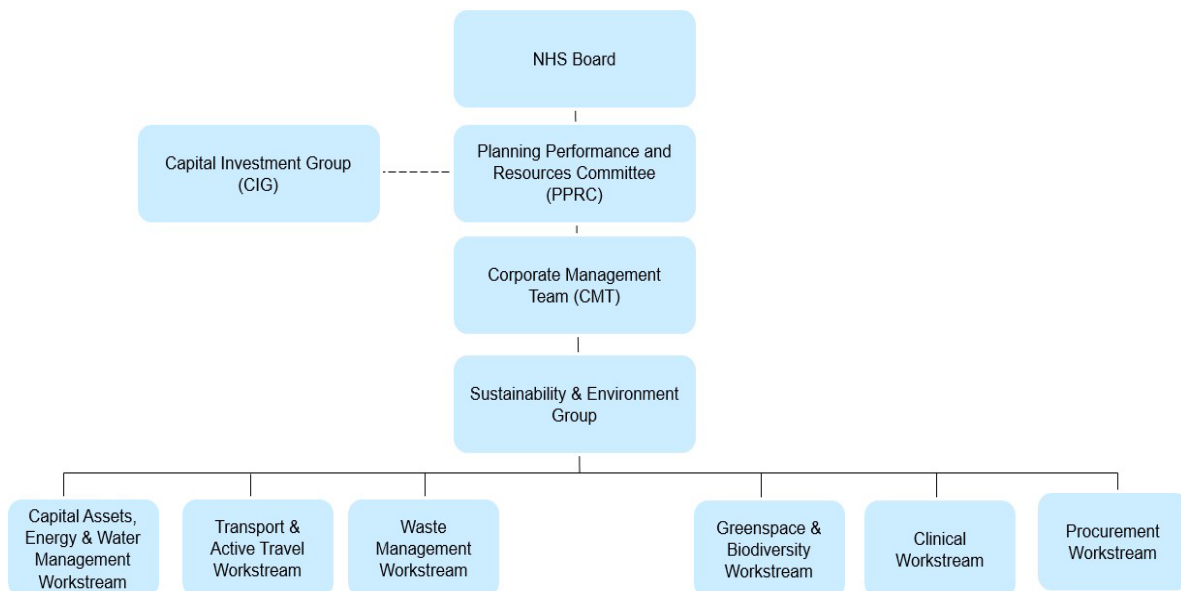
<p><b>NHS Lanarkshire's Sustainability Champion</b></p>	<p><i>Martin Hill, Board Chair</i></p>
<p><b>NHS Lanarkshire's Sustainability Executive Lead</b></p>	<p><i>Jacqui McGeough, Deputy Director of Property, Planning and Performance</i></p>

## NHS Lanarkshire’s governance structure for climate action and sustainability

NHSL has a long standing Sustainability & Environment Group chaired by the Deputy Director of Planning, Property & Performance (Executive Lead), reporting to the Boards Planning Performance Resource Committee (PPRC). The Group is primarily responsible for:

- Delivery of the Boards Environment and Climate Change Strategy;
- Oversees the implementation of various Chief Executive letters;
- Acts as a reference group for other relevant national mandatory and statutory legislation, such as [‘A Policy for NHS Scotland on the Climate Emergency and Sustainable Development - DL \(2021\) 38’](#).

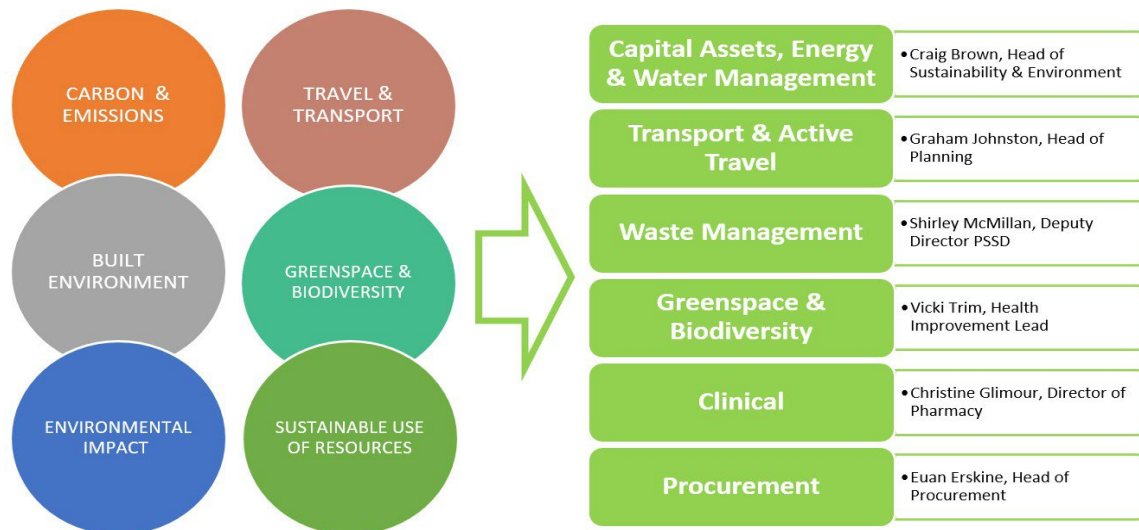
### Sustainability & Environmental Group Governance



## Leadership in tackling climate change and becoming environmentally sustainable

Strong and visible leadership, good governance, oversight and risk management will deliver an infrastructure to support delivery of our sustainability objectives. At NHSL Board level, key indicators are required for governance and transparency to demonstrate that we are meeting both our legal requirements and our public accountability for resources and strategic planning. ‘Addressing the Challenges of Sustainability and Climate Change’ is one of our existing corporate objectives, therefore ensuring visibility and oversight at the most senior level of the organisation. Every corporate director will have sustainability-linked objectives.

Through the first half of 2023 we worked to re-engineer our governance structures, identifying leads from across the organisation to ensure we are best placed to deliver the commitments and objectives detailed in our strategy. To underpin this, we established a number of workstreams, each of which has responsibility for a key area of focus:



Our Sustainability and Environment group oversees and co-ordinates risk management for strategic sustainability planning, climate change adaptation and service improvement across all NHS Lanarkshire services and produces reports on the Board's energy performance and carbon emissions to meet Scottish Government requirements around annual climate change and sustainability reporting.

The output of our workstreams will be integral to this work and also to our Capital Investment Group (CIG), providing business cases that support improvements in energy efficiency, waste reduction and other greenhouse gas emissions reduction initiatives as part of the Board's plan to be net-zero by 2040.

In 2022, the group developed the Board's Sustainability & Climate Strategy, which was ratified in October 2022. The overarching aims of our Sustainability & Climate Change Strategy are to ensure:

- NHS Lanarkshire is a net-zero emission Health Board by 2040;
- That as part of our clinical strategy, "*Our Health Together*", prioritise actions which simultaneously improve patient care, community wellbeing, and reduce inequalities, while tackling climate change and broader sustainability issues;
- Capital investment is planned and made, while increasing operational efficiencies.

Over 2023, a sustainability workplan has been developed by each workstream and underpins delivery of our strategic aims over the next 5 years.

Over the next reporting year, we will further develop our engagement plan with an aim to increase staff and public awareness of sustainability and environmental initiatives, and engage with appropriate stakeholders. We will also further develop and extend our programme for student interns, providing valuable work placement opportunities, whilst bringing in fresh expertise and resource to support the work of our small team.

### 3. GREENHOUSE GAS EMISSIONS

NHS Lanarkshire aims to become a net-zero organisation by 2040 for the sources of greenhouse gas emissions set out in the table below. The table sets out the amount of greenhouse gas produced annually by NHS Lanarkshire.

Source	Amount of greenhouse gas (tonnes of CO <sub>2</sub> equivalent)		% Difference 2021/22	Target Emissions	% Difference & Target Emissions
	2021/22	2022/23	2022/23	2022/23	22/23
Building energy	29,383 *	25,631	-13	25,680	0
Metered dose inhaler propellant	10,263 *	10,929	6	9,822	11
Medical gases	2,093	1,914	-9	1,485	29
Business travel	1,640 *	1,305	-20	1,063	23
Waste	652	983	51	1,179	-17
NHS fleet use	783 *	715	-9	399	79
Water	137 *	148	8	172	-16
Non-medical F-gas use	N/A *	138	N/A	337	-59
<b>TOTAL GHG EMISSIONS</b>	<b>44,952</b>	<b>41,763</b>	<b>-7</b>	<b>48,498</b>	<b>-14</b>

Table 1 NHS Lanarkshire’s greenhouse gas emissions 2021/22 & 2022/23, tonnes CO<sub>2</sub> equivalent. Revisions to the figures reported in last year’s submission have been made to figures starred (\*), these figures shall be resubmitted retrospectively to Scottish Government. NHS Lanarkshire do not currently measure carbon sequestration and have omitted this from the table.



The above graphic shows a visual representation of the data found in table 1, highlighting the largest carbon emitters of NHS Lanarkshire by size of image.



**Data Exclusions**

There is currently no available data for carbon sequestration and is not an activity undertaken by NHS Lanarkshire. As greenspace and biodiversity projects progress, NHS Lanarkshire may look to complement this work with appropriate carbon sequestration programs.

**Data Revisions**

Revisions have been made to the figures reported in 2021/22. Over the course of 22/23 we have undertaken targeted improvement work which has substantially increased both the quantity and quality of data reported.

The additions to our reported data have increased the reported total figure for 2021/22 emissions (as seen in figure 1). This is due to improved reporting which now includes the addition of our scope 3 business travel emission data, transmission and distribution of energy and fuels and inhaler use not previously reported. Since 15/16 an increase in scope 1 emissions can be observed over time, again due to inclusion of medical gas data not previously reported. Future reporting will become more easily comparable and will be more reflective of actual trends in our emissions.

**Emissions Summary**

Figure 1 shows that in comparison to the year before, 22/23 saw a decrease in overall emissions by 14%, reflective of decreases in both scope 3 and scope 2 emissions. Scope 1 emissions remained approximately the same as in 21/22.

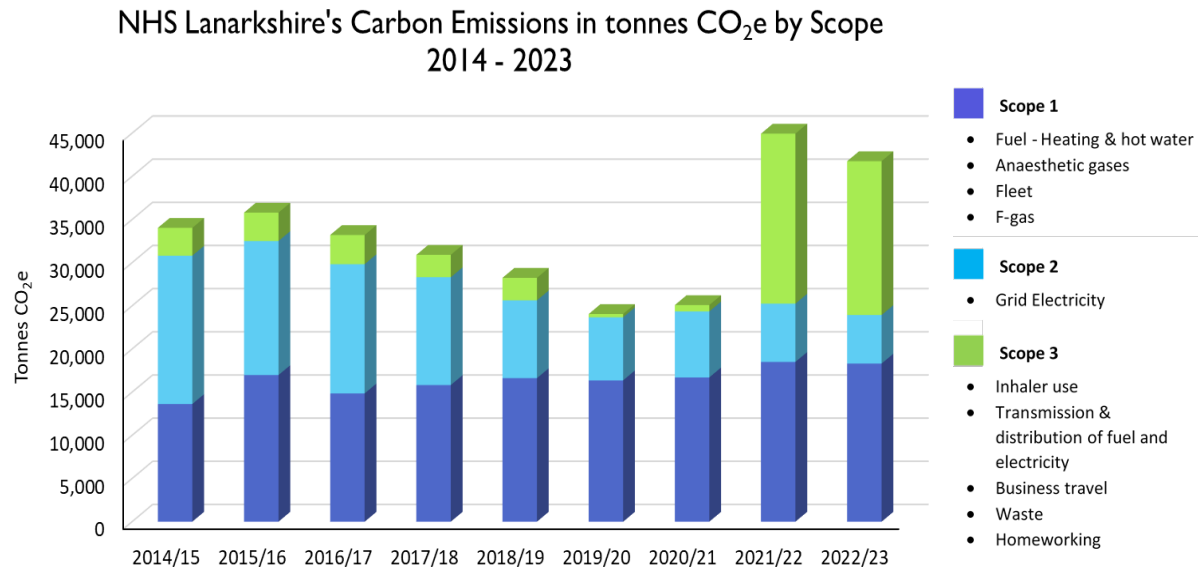
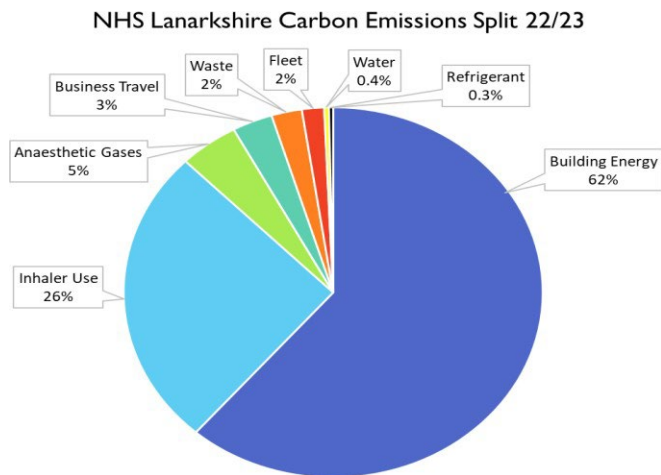


Figure 1- NHS Lanarkshire's emissions in tonnes of CO<sub>2</sub>e by emission scope.

Figure 2 highlights the top emission sources and, therefore the biggest challenges for NHS Lanarkshire in the context of reducing our carbon emissions. The vast majority of emissions (62%) stem from building energy including the use of gas and fuels for heating, electricity and also associated transmission and distribution emissions. The second most impactful source of carbon emissions come from the use of inhalers prescribed by NHS Lanarkshire. These two sources alone account for 88% of NHS Lanarkshire's carbon emissions.



NHS Lanarkshire's emissions in tonnes of CO2e as a percentage of the boards total emissions.

## 4. CLIMATE CHANGE ADAPTATION

The climate is changing due to the greenhouse gases already emitted into the atmosphere. While efforts to reduce the rate and scale of climate change continue, we must also adapt to new conditions we are facing.

The changing climate is increasing risks for health and health services. More information on these risks in the UK can be found in the UK Climate Change Committee's Health and Social Care Briefing available [here](#).

### Risks NHS Lanarkshire has identified through its Climate Change Risk Assessment

NHS Lanarkshire has evaluated its current and future risk in relation to climate change. This work has provided detailed flood-level risks and overheating assessments for key sites as well as a review of critical functions. The critical functions were assessed according to our services along with the key topics of patient demand, vulnerable communities and business continuity.

Working in conjunction with Risk & Resilience colleagues, NHS Lanarkshire has undertaken an analysis of climate related risks to critical infrastructure across the Board area. In doing so, the Board now has an understanding of what the likely impacts of climate change on the physical estate will be and has been completed for Priority I sites.

Furthermore, the work is undertaken periodically to review of NHS Lanarkshire risks the and update the Board risk register; identify the risks from the Climate Change Risk Assessment (CCRA) and detail these in the site business continuity plans; complete the Audit Template developed by NHS Scotland Standards for Organisational Resilience every 6 months. Part of this audit includes climate change and supply chain.

### **Corporate Risk Register**

In 2023, the corporate risk register has been updated to include the risk of climate change to the Board:

“Climate change means that extreme weather incidents are becoming more common and severe. If NHSL don't take appropriate action to mitigate, adapt and respond to the effects of climate change, there is a significant risk that our physical and supporting infrastructure is impacted resulting in disruption to our services, patients and staff.”

### **Preparedness and action taken by NHS Lanarkshire to address the risks of Climate Change**

The NHS Lanarkshire Sustainability & Environment Group provides governance and oversees delivery of NHSL Sustainability reporting requirements which contains actions and timescales on climate change adaptation and mitigation, as follows;

- 1. Climate Change Risk Assessment Toolkit:** Details the risk of climate change to the NHSL estate and how we adapt to changing needs through adaptation plans; NHS Lanarkshire has undertaken an analysis of climate risk using the NHS Scotland Climate Change Risk and Adaptation tool (CCRA). At the time of writing, an analysis of risk across critical infrastructure has been undertaken and workshops are planned with key stakeholders to form and deliver an adaptation plan.
- 2. National Sustainability Assessment Toolkit (NSAT):** (see NSAT section, above) As demonstrated in Table 2, NHS Lanarkshire achieved an adaptation score of 69% in 2021/22, gaining 24% on the previous year's scores.
- 3. NHS Scotland climate risk mapping tool:** The mapping tool is designed as a platform to display spatial data and provide information to improve understanding of how climate change impacts will affect the NHS estate and wider community.

### **Continuity Process**

NHS Lanarkshire has a robust business continuity process, as follows;

- Risks are recorded on DATIX, which is the organisations risk management reporting tool.
- Business Continuity Plans which detail the procedures that should be undertaken in the event of disruption to business: Site level Business Continuity Plans; The Corporate Disaster Recovery Plan; The Major Incident Plan.

### **Collaboration**

NHS Lanarkshire has been a contributor to the Climate Ready Clyde Glasgow City Region Adaptation Plan and will endeavour to be a contributor in further workshops / events.

NHS Lanarkshire is in discussion with Climate Clyde Forrest to ascertain which sites would benefit from additional tree planting. The benefits of this are twofold, with increased tree cover comes enhanced biodiversity across the estate, it provides meaningful and engaging work for NHS Lanarkshire Grounds team, and helps contribute to carbon sequestration (though, the later would not be accounted for given Scottish Government guidance).

In 2023, NHS Lanarkshire has been involved in the development of a Lanarkshire Climate Action Hub, the application for which is being developed by the Lanarkshire Communities Climate Action Network (LanCCAN). If successful, the Climate Action Hub will be up and running in April 2024. Work will include the development of a small grant seed fund.

## 5. BUILDING ENERGY



Our buildings and infrastructure are critical to delivering our health care services. The buildings we use are varied, and require the highest level of servicing to maintain safe and resilient environments for our staff and patients. It is essential we design and operate these efficiently to maximise resources and minimise environmental impact. Improving our estate and embedding best practise in new builds and refurbishment is critical to reaching net-zero, whilst also helping to improve our internal environments for all users.

We aim to use renewable heat sources for all the buildings owned by NHS Lanarkshire by 2038.

- In 2022/23, 25,631 tonnes of CO<sub>2</sub> equivalent were produced by NHS Lanarkshire's use of energy for buildings. This was a decrease of 13% since the year before.
- In 2022/23, NHS Lanarkshire used 232771 MWh of energy. This was a decrease of 0.9% since the year before.
- In 2022/23, NHS Lanarkshire generated 3,032 kWh of energy from renewable technologies.

Whilst overall energy use has reduced, particularly since 1990, costs have increased significantly due to global factors, not limited to the recent and on-going energy crisis. As such, from both a cost control and environmental standpoint, we have a duty to continue to manage energy appropriately.

Emission Source	Building Energy Emissions - tonnes CO <sub>2</sub> e			% change 2015/16 to 2022/23
	2015/16	2021/22	2022/23	
Building fossil fuel use (Scope 1)	16,409	15,761	15,689	-4
Grid electricity (Scope 2)	15,528	6,749	5,621	-64
Transmission & Distribution (Scope 3)	N/A	3,305	3,196	N/A
Homeworking (Scope 3)	N/A	3,569	1,126	N/A
District heat networks and biomass	0	0	0	0
<b>Totals</b>	<b>31,937</b>	<b>29,383</b>	<b>25,631</b>	<b>-20</b>

Table 2 Building energy emissions, 2015/16, 2021/22 and 2022/23 – tCO<sub>2</sub>e

Emission Source	Building Energy Emissions - MWh			% change 2015/16 to 2022/23
	2015/16	2021/22	2022/23	
Building fossil fuel use	88,159	85,672	85,693	-3
Grid electricity	33,596	31,785	29,066	-13
Renewable electricity	0.029	5	3	>100
District heat networks and biomass	0	0	0	0
<b>Totals</b>	<b>121,756</b>	<b>117,462</b>	<b>114,761</b>	<b>-16</b>

Table 3 Building energy emissions, 2015/16, 2021/22 and 2022/23 – MWh

## What have we done to reduce emissions for building energy in 22/23?

### Capital Assets, Energy & Water Management Workstream updates 22/23

With the introduction of workstreams and workstream leads towards the end of 22/23 to the Sustainability and Environment Group, formal structures have been put in place to identify objectives of each workstream in line with NHS Lanarkshire's strategy and to formulate a workplan. At the end of 22/23, the Capital Assets, Energy & Water Management workstream identified their objectives for 23/24, these are as follows:

<b>Objective 1</b>	Identify Route to Net Zero to achieve 2040 target
<b>Objective 2</b>	Identify & Apply for Funding Opportunities for Energy & Water Upgrades

<b>Objective 3</b>	Implement Energy Conservation Measures to achieve net zero by 2040
<b>Objective 4</b>	Energy Data QI

Progress against these objectives are reported below and will be captured in the next reporting period.

In the previous report we reported on a number of developments:

<b>Route Map to Net Zero</b>	2021/22 We are in the process of developing our 'route map to net zero' in conjunction with Jacobs. At the time of reporting we have established our baseline and 'Business as Usual' projections with our route map scheduled to be concluded by end of financial year 22/23.	2022/23 NHS Lanarkshire received their final 'Route Map to Net Zero' in October 2023. Over the next year this work will be incorporated into NHS Lanarkshire's sustainability planning and will inform carbon reduction targets and development of KPI's.
<b>Energy Efficiency Surveys</b>	2021/22 In the last few months we have been working with Mott MacDonald who have carried out a series of surveys to identify opportunities for capital upgrades that will deliver energy savings. Through a prioritisation process and development of business cases, funding will for these should be secured via the Scottish Government's Green Public Sector Estates Decarbonisation Scheme (GPSEDS).	2022/23 Following on from the building surveys completed by Mott MacDonald in 2022/2023, opportunities for capital upgrades which will deliver energy savings have been identified and application to the GPSED Scheme was submitted. Over the next year, funding through the NDEE framework will be applied for to fund further energy surveys. These will inform future applications to GPSEDS.
<b>BMS</b>	2021/22 From a building management perspective, we are also working with the same consultancy to identify opportunities to improve our building management systems, ensuring that the buildings information we receive is optimal	2022/23 BMS improvements will be incorporated into the 2022/23 GPSEDS application.

## What do we plan to do to reduce emissions for building energy in the future?

- **Heat destratification**

Surveys are being undertaken at 3 sites over 23/24 to assess the efficacy of heat destratification in reducing energy consumption, costs, carbon and improving the comfort of the building.

- **Energy Performance Certificates**

EPCs (energy performance certificates) are due for renewal in 23/24.

- **Summer Heating Strategy**

Introduce new building energy management policy in 23/24 to reduce heating of buildings during summer months.

- **GPSEDS Funding for Energy Efficiency Improvements**

Our 23/24 GPSEDS funding application will target energy improvement measures across two sites, and will include solar, heat recovery and insulation installations and upgrades. The funding will also be used to upgrade the boards BMS across the NHS Lanarkshire estate.

## 6. SUSTAINABLE CARE

The way we provide care influences our environmental impact and greenhouse gas emissions. NHS Scotland has three national priority areas for making care more sustainable – anaesthesia, surgery and respiratory medicine.

With the introduction of workstreams and workstream leads towards the end of 22/23 to the Sustainability and Environment Group, formal structures have been put in place to identify objectives of each workstream in line with NHS Lanarkshire’s strategy and to formulate a workplan. At the end of 22/23, the Clinical workstream identified their objectives for 23/24, these are as follows:

<b>Objective 1</b>	Reduce the carbon footprint/emissions of theatres across NHS Lanarkshire via implementation of the National Green Theatres Programme (NGTP) actions bundles.
<b>Objective 2</b>	Share good practice and learning between departments/areas and expand green theatres approach to other clinical areas.
<b>Objective 3</b>	Promote the link between good environmental stewardship and quality care provision.
<b>Objective 4</b>	Establish a Green Ward Group

Progress against these objectives will be reported on in the next reporting period.

### Anaesthesia and surgery

Greenhouse gases are used as anaesthetics and for pain relief. These gases are nitrous oxide (laughing gas), Entonox (a mixture of oxygen and nitrous oxide) and the ‘volatile gases’ - Desflurane, Sevoflurane and isoflurane.

Through improvements to anaesthetic technique and the management of medical gas delivery systems, the NHS can reduce emissions from these sources.

NHS Lanarkshire’s total emissions from these gases in 2022/23 were 1914 tCO<sub>2</sub>e, a decrease of 9% (179 tCO<sub>2</sub>e) from the year before.

More detail on these emissions is set out in the tables below:

Medical Gas	Volatile medical gas emissions - tCO <sub>2</sub> e			Percentage change 2017/18 to 2022/23
	2017/18 (baseline) *	2021/22	2022/23	
Desflurane	816.30	8.90	21.40	-97.40
Isoflurane	5.20	1.10	3.40	-33.30
Sevoflurane	94.30	67.20	83.10	-11.90
<b>Total</b>	<b>915.69</b>	<b>77.30</b>	<b>108.00</b>	<b>-88.20</b>

Table 4 Volatile medical gas emissions from a 17/18 baseline, 21/22 and 22/23. \*Note the baseline year reported corresponds with baseline data received from Scottish Government.

Medical Gas	Volatile medical gas emissions - tCO <sub>2</sub> e			Percentage change 2017/18 to 2022/23
	2017/18 (baseline) *	2021/22	2022/23	
Piped nitrous oxide	732.60	191.80	250.80	-65.80
Portable nitrous oxide	74.30	66.30	93.90	26.40
Piped Entonox	1,374.60	1,598.20	1,291.20	-6.10
Portable Entonox	227.50	159.40	170.40	-25.10
<b>Total</b>	<b>806.90</b>	<b>258.00</b>	<b>344.70</b>	<b>-57.30</b>

Table 5 Nitrous oxide and Entonox emissions from a 18/19 baseline, 21/22 and 22/23 in tonnes CO<sub>2</sub>e.

The increase in volatile medical gas emissions is directly linked to increase in consumption and a likely by-product of procedures increasing back to pre COVID-19 levels.

The procurement policy for ordering volatile gases was amended to make Desflurane only available by special order. The remaining gas cylinders containing Desflurane are to be safely disposed of. In the 22/23 reporting period, work was completed to decommission piped Nitrous Oxide (N<sub>2</sub>O) across our operating theatres, with work to complete in 23/24. There has also been a conscious effort by anaesthetists to move to less harmful gases where safe and possible to do so.

## Making surgery greener



The Board has an active and successful Green Theatres Workstream that have delivered a number of improvements including the replacement of anaesthetic gases with a high global warming potential with less harmful gases as noted above. The National Green Theatres Programme was launched in March 23 and work will be done during the 23/24 period to align NHS Lanarkshire's Green Theatre Group to the national programme.

A national group has recently been established with a number of initial priorities identified. The Board will focus on these in line with the National Green Theatres Programme. In 22/23, work will be done to complete cost and technical assessments for the following projects:



1. Switch off of out of hours Heating Ventilation Air Conditioning (HVAC);
2. Anaesthetic gas scavenging systems (AGSS);
3. Fluid suction machines;
4. Change pre-operative paracetamol from IV to oral;
5. Embed waste segregation;

## Respiratory medicine



Greenhouse gases are used as a propellant in metered dose inhalers used to treat asthma and COPD. Most of the emissions from inhalers are from the use of reliever inhalers – Short Acting Beta Agonists (SABAs). By helping people to manage their condition more effectively, we can improve patient care and reduce emissions.

There are also more environmentally friendly inhalers such as dry powder inhalers which can be used where clinically appropriate.

Number of inhalers prescribed by NHS Lanarkshire - 2018 to 2023

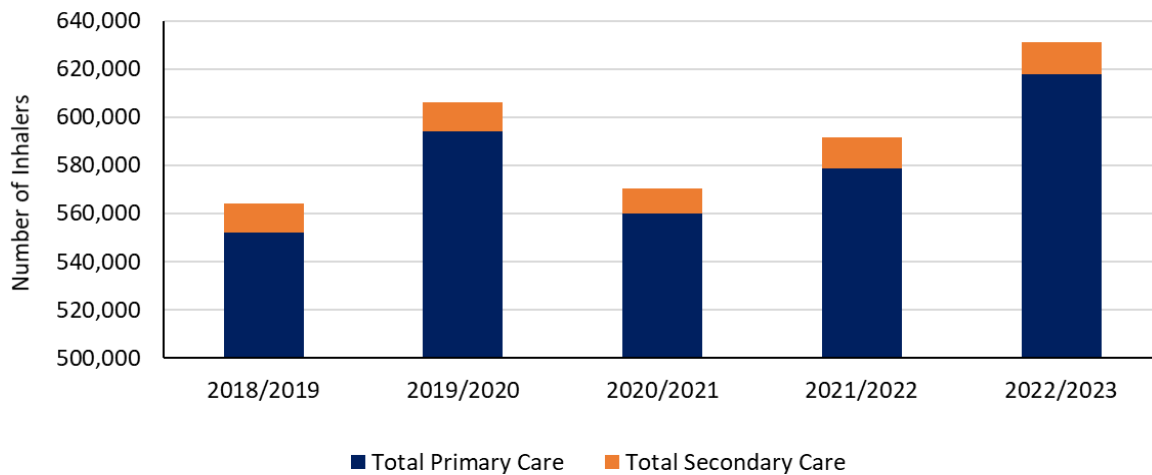


Figure 3 Number of inhalers prescribed by NHS Lanarkshire 2018 to 2023.

We estimate that emissions from inhalers in NHS Lanarkshire were 10,929 tonnes of CO<sub>2</sub> equivalent. An increase of 11% (666 tCO<sub>2</sub>e) from the year before.

Inhaler emission source	Inhaler propellant emissions - tCO <sub>2</sub> e			Percentage change 2017/18 to 2022/23
	2017/18 (baseline) *	2021/22	2022/23	
Primary care	9,620.20	10,040.40	10,699.40	11.2
Secondary care	206.80	222.80	229.30	10.87
<b>Total</b>	<b>9,827.00</b>	<b>10,263.00</b>	<b>10,929.00</b>	<b>11.21</b>

Table 6 Inhaler propellant emissions, 2018/19, 2021/22, 2022/23 in tonnes CO<sub>2</sub>e

The number of inhalers prescribed by NHS Lanarkshire has seen an overall increase by 12% from 2018 to 2023. In 22/23 631,118 inhalers were prescribed by NHS Lanarkshire, 98% of which were prescribed within primary care.

The WHO details that the development of asthma and COPD can be linked to a number of different causes, as well as being genetically linked, there are socio-economic factors that can also cause or exacerbate the prevalence of asthma and COPD, these factors include: exposure to tobacco smoke; air pollution; moulds within homes; and being overweight or obese.

Better health and healthy living within communities is likely to reduce the need for prescriptions of inhalers and subsequently emissions resulting use of from these.

## What NHS Lanarkshire are doing to improve the health of Lanarkshire communities

### Tackling Smoking

- NHS Lanarkshire introduced a Tobacco Control Strategy 2018-2023, with the aim of protecting children's health, tackling health inequalities and reduce the prevalence of smoking in Lanarkshire.
- Prior to the Prohibition of Smoking Outside Hospital Buildings (Scotland) Regulations 2022, NHS Lanarkshire had already introduced a no smoking policy where smoking and e-cigarettes are not allowed anywhere on hospital grounds.
- NHS Lanarkshire offer the 'Quit Your Way' service to stop smoking. This is available to all Lanarkshire residents and is available via self-referral.
- A Smoke free app is available to staff to help stop smoking.
- A new Management of Nicotine Assessment Tool will be available for acute staff to refer patients to Quit Your Way in 2023.

### Promoting Healthy Lifestyle



NHS Lanarkshire's Weight Management Service promote being physically active to patients and staff and offers them support in accessing free physical activity and healthy weight services in Lanarkshire. Services include the Adult Weight Management Service, which now accepts referrals directly from Primary Care, and provides guidance and support to make and maintain behaviour change in eating and physical activity. For example, the service provides online access to a 12-week weight management programme.

Children and families Lanarkshire have been helped to make healthy lifestyle choices through provision of the following services:

- Getting Our Active Lifestyle Started (GOALS)
- Healthy Schools, new content launched September 2022
- Little'N'Lively service for early years
- Full of Beans programme in partnership with North Lanarkshire Council and South Lanarkshire Leisure and Culture

Other programmes and services which ran through 22/23 include:

- Go Jauntly App

- Weigh to Go
- Staff walking challenge

## 7. TRAVEL AND TRANSPORT



Domestic transport (not including international aviation and shipping) produced 26% of Scotland’s greenhouse gas emissions in 2021. Car travel is the type of travel which contributes the most to those emissions.

NHS Scotland is supporting a shift to a healthier and more sustainable transport system where active travel and public transport are prioritised.

We are working to remove all petrol and diesel fuelled cars and light commercial vehicles from our fleet by 2025, replacing these as contracts expire. The following table sets out renewable powered and fossil fuel vehicles in NHS Lanarkshire’s fleet at the end of March 2022 and March 2023:

Fleet vehicle type	March 2022		March 2023		Difference in % Zero Emissions Vehicles
	Total vehicles	% Zero Emissions Vehicles	Total vehicles	% Zero Emissions Vehicles	
Cars	11.00	0.00	11.00	0.00	0.00
Light commercial vehicles	70.00	21.00	74.00	70.00	49.00
Heavy vehicles	14.00	0.00	14.00	0.00	0.00

Table 7 Percentage of NHS Lanarkshire’s fleet vehicles that are zero emissions, a comparison of March 2022 with March 2023 figures.

NHS Lanarkshire do not currently have bicycles or e-bikes within their fleet. We have replaced 70% of the light commercial fleet with EV and as of March 2023, 52% of the fleet are EVs. There are well-established plans to **replace the remaining conventional small fleet by 2025**. Replacement of our heavy vehicle fleet is being considered in the context of the availability of suitable vehicles. The target date for replacement of heavy vehicles with electric alternatives 2030.

### NHS Lanarkshire travel and transport workstream updates 22/23

With the introduction of workstreams and workstream leads towards the end of 22/23 to the Sustainability and Environment Group, formal structures have been put in place to identify objectives

of each workstream in line with NHS Lanarkshire’s strategy and to formulate a workplan. At the end of 22/23, the Transport and Active Travel workstream identified their objectives for 23/24, these are as follows:

<b>Objective 1</b>	Capture fleet mileage as part of annual reporting;
<b>Objective 2</b>	Monitor business travel mileage;
<b>Objective 3</b>	Increase promotion of active travel options – car share, walking, cycle to work;
<b>Objective 4</b>	Develop programme for creation of site Green Travel Plans for our major sites;
<b>Objective 5</b>	Facilitate agreed in year active travel measures and supports;
<b>Objective 6</b>	Submit grant funding applications to support active travel initiatives;
<b>Objective 7</b>	Continue the process to transition our commercial fleet to fully electric vehicles.

**Over the 22/23 period NHS Lanarkshire have successfully completed the following:**

- Installed secure bike parking installed at seven sites following successful a successful funding award from the Cycle Scotland – cycle friendly development fund. There are plans in 23/24 to submit further funding applications to further improve the cycling facilities across NHS Lanarkshire. Site cycling facilities are detailed on NHS Lanarkshire’s Bike Users Group (BUG) webpage.
- NHS Lanarkshire has a free bike loan scheme which is run by Getting Better Together Shotts. Bike loans are offered to staff with the first 30 days offered for free with the option to continue the loan for £10 per month. The Scheme offers both Brompton bikes and electric bikes, with priority given to staff on bands 2-5 and student nurses. The scheme has proved very successful, with all e-bikes now on a waiting list for loan.

**Over the 23/24 period NHS Lanarkshire planned to:**

- Drive a communications effort to encourage more sustainable travel, for example NHS Lanarkshire’s Bike Month Challenge to take place in May 2023 run by Love to Ride and the Walking Challenge set to take place in May/July 2023.
- As part of the transport and active travel workstream, a delivery group will be assigned to progress the workstreams objectives.

- NHS Lanarkshire expect further delivery of EV vehicles in early 2024 in line with its net zero goals.

## 8. GREENSPACE AND BIODIVERSITY

### **Biodiversity**

Biodiversity, or the wide variety of living organisms within an environment, has declined at a rapid rate in the last 50 years. Evidence demonstrates that these trends are attributed to human activities, such as land use change, habitat degradation and fragmentation, pollution, and the impacts of climate change. The State of Nature report published in 2023 has highlighted the decline of nature across Scotland, with 11% of species now classed as threatened with extinction.

Public bodies in Scotland have a duty under the Nature Conservation (Scotland) Act 2004 ([Nature Conservation Scotland Act 2004](#)) to further the conservation of biodiversity, taking care of nature all around us. Furthermore, the Wildlife and Natural Environment (Scotland) Act 2011 ([Wildlife and Natural Environment Scotland Act 2011](#)) requires every public body to summarise their activities to meet this duty, through the production of a publicly available report.

### **Greenspace**



The design and management of the NHS Scotland green estate for human and planetary health, offers an opportunity to deliver a range of mutually beneficial outcomes. These include action on climate change (both mitigation and adaptation), biodiversity, health and wellbeing for patients and staff, community resilience building and active travel.

## **NHS Lanarkshire greenspace and biodiversity workstream updates 22/23**

NHS Lanarkshire covers a broad and diverse geographical area and there exists plentiful opportunities to better utilise our estate. NHS Lanarkshire offers a range of green health opportunities to inpatients, outpatients and community volunteers as well as hospital staff and visitors. NHS Lanarkshire is part of the Green Health Partnership (LGHP) which was formed in April 2018 and all partners involved work to connect health and social care with nature and has successfully animated the local community into becoming involved in a range of community growing initiatives and gardening projects, which help to support and enhance biodiversity through pollinating species.

The LGHP received an award at the NHS Scotland Assure Conference where the theme was Excellence in the Health Care Environment, and was awarded for ‘Collaboration – Working in Partnership’.

The table below outlines any key greenspace projects and their benefits.

Project name/ location	Benefits of project	Details of project
Airbles Road dementia garden	Improved greenspace for people and biodiversity Green therapy	The project run by NHS Lanarkshire and Clydesdale Community Initiative (CCI), with the help of volunteers redeveloped the dementia garden, installing new benches, plant and vegetable beds, gazebos, hanging baskets.
King George V garden development	Improved greenspace for people and biodiversity Green therapy	NHS Lanarkshire’s Green Health Partnership (LGHP), in partnership with Clydesdale Community Initiatives (CCI) and funded via NHS Charities Together, is developing the new King George Vth garden at University Hospital Hairmyres, which is the 8th garden within the project. CCI and Occupational Therapy teams continue to support volunteers and local schools to take part in the work within the garden.

With the introduction of workstreams and workstream leads towards the end of 22/23 to the Sustainability and Environment Group, formal structures have been put in place to identify objectives of each workstream in line with NHS Lanarkshire’s strategy and to formulate a workplan. At the end of 22/23, the Greenspace and Biodiversity workstream identified their objectives for 23/24, these are as follows:

<b>Objective 1</b>	Refresh LGHP action and communication plan for 2023-2026;
<b>Objective 2</b>	Manage our greenspace to increase provision and improve access, quality and regular use by staff, service users, and the local community;
<b>Objective 3</b>	Collaborate with our local partners to improve the natural links between NHS greenspace and other local areas of greenspace;
<b>Objective 4</b>	Continuation and expansion of Gardening programme across estate;
<b>Objective 5</b>	Lanarkshire Weight Management Service community programme of work encompassing green health offerings;
<b>Objective 6</b>	Engagement of PSSD Grounds team in biodiversity agenda - includes role enhancement, training and development programme;

<b>Objective 7</b>	Assess the extent and quality of our greenspace, and take actions to improve the contribution our estate makes to biodiversity.
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Over the 23/24 period NHS Lanarkshire plan to continue greenspace projects currently underway and to develop the greenspace and biodiversity workstream with work to recruit an additional resource into our estates team who specialise in green estates underway. Progress against these objectives will be reported on in the next reporting period.

## 9. SUSTAINABLE PROCUREMENT, CIRCULAR ECONOMY AND WASTE

Earth Overshoot Day marks the date when our demand for resources exceeds what earth can regenerate in that year. In 2023, Global Earth Overshoot Day is 2 August.

For the UK, the picture is more worrying. In 2023, the UK's Earth Overshoot Day is 19 May. The current level of consumption of materials is not sustainable and is the root cause of the triple planetary crises of climate change, biodiversity loss and pollution.



We aim to reduce the impact that our use of resources has on the environment through adopting circular economy principles, fostering a culture of stewardship and working with other UK health services to maximise our contribution to reducing supply chain emissions to net-zero by 2045.

### Procurement

#### NHS Lanarkshire procurement workstream updates 22/23

With the introduction of workstreams and workstream leads towards the end of 22/23 to the Sustainability and Environment Group, formal structures have been put in place to identify objectives of each workstream in line with NHS Lanarkshire's strategy and to formulate a workplan. At the end of 22/23, the procurement workstream identified their objectives for 23/24, these are as follows:

<b>Objective 1</b>	Delivery of Procurement contracting work plan for 23/24 (incorporating sustainability criteria within each regulated procurement in accordance with NHSL Procurement Strategy)
<b>Objective 2</b>	Waste reducing activities in surgical category via Sustainability & Value Programme and Theatres Consumables Group
<b>Objective 3</b>	Piloting a furniture refurbishment scheme, using a Supported Business to refurbish office chairs which will also reduce waste.

NHSL has a Sustainable Procurement Strategy in place and has also moved to increase the weighting placed on sustainability-related questions in tender exercises, where bidders are asked to provide evidence of their ethical and sustainability credentials. Not all service and product providers have a fully developed sustainability strategy or plan, and these questions help to raise awareness and reinforce the commitment to sustainable procurement activities.

All tenders are subject to minimum environmental standards that suppliers must comply with. Some contracts also include take back schemes, for packaging and in trade-in schemes, for example for replacement beds and mattresses.

A working group of Health Improvement, Procurement, and Sustainability colleagues has been formed which aims to share best practice and capture overlapping initiatives.

## Waste

We want to reduce the amount of waste we produce and increase how much of it is recycled. The table below sets out information on the waste we produce and its destination for the last three years:

Waste Type	2020/21 (tonnes)	2021/22 (tonnes)	2022/23 (tonnes)	Percentage change
Waste to landfill	0.00	0.00	0.00	0.00
Waste to incineration	1,485.00	1,314.00	1,887.08	+27.08
Recycled waste	793.96	509.00	644.51	-18.82
Food waste	209.31	275.00	181.40	-13.34
Clinical waste	N/A	1,535.00	2,192.32	+42.82*

Table 8 NHS Lanarkshire's waste tonnage totals from 2020 to 2023. \*Percentage change from 2021/22

The increases in waste to incineration has somewhat been driven by post COVID-19 waste segregation. Overall increase in clinical waste can also be linked to an increase in post COVID-19 procedures.

We have set targets to reduce the amount of waste we produce and the tables below provide information on our performance against those targets:

### Target 1. Reduce domestic waste by a minimum of 15%, and greater where possible compared to 2012/2013 – by 2025\*

Domestic Waste	14/15 Tonnes	22/23 Tonnes	% Change
General Waste	1,914	1,887	-1
Recycling	298	630	112
Green waste composting	0	15	N/A
Food Waste AD	195	181	-7
<b>Domestic Waste Total</b>	<b>2,407</b>	<b>2,713</b>	<b>+13</b>

Table 9 NHS Lanarkshire's domestic waste tonnage, a comparison from 2014 to 2023. \*Target should be from 2012/13 however NHS Lanarkshire have no real data from this period. A decision has been taken to use the earliest, most complete year a dataset is available, which is 2014/15.



**Target 2. Ensure that no more than 5%, and less where possible, of all domestic waste is sent to landfill – by 2025**

NHS Lanarkshire does not send any of its waste to landfill, 100% of domestic waste is incinerated for waste recovery, recycled or composted. The goal for NHS Lanarkshire is to maintain this as we have already achieved the 2025 target.

**Target 3. Reduce the food waste produced by 33% compared to 2015/16 – by 2025**

<b>Target – reduce food waste by</b>	70 tonnes
<b>Performance – food waste reduced by</b>	32 tonnes
<b>Outcome</b>	Not yet achieved
<b>Further reduction required</b>	38 tonnes

Table 10 NHS Lanarkshire’s food waste performance calculated from a 14/15 baseline and compared with figures from 2023.

**Target 4. Ensure that 70% of all domestic waste is recycled or composted – by 2025**

<b>Target – recycle of compost</b>	1,899 tonnes
<b>Performance – recycled or composted</b>	826 tonnes
<b>Outcome</b>	Not yet achieved
<b>Further increase required</b>	1,073 tonnes

Table 11 NHS Lanarkshire’s recycling and composting performance, target calculated from a 14/15 baseline.

- 100% of domestic waste is either recycled, composted or incinerated for energy recovery;
- 30% of domestic waste currently generated is recycled, the remaining 70% is used for energy recovery by incineration;
- 13% increase in the amount of domestic waste Since 14/15;
- 112% Increase in recycled waste since 14/15.
- NHS Lanarkshire now compost all of its grounds waste.

NHS Lanarkshire has reduced the amount of general waste produced by the board since 14/15. Reported increases in overall waste tonnages since 2014 reflect a large increase in recycled and composted waste. It is also likely that since 14/15, there is more accurate reporting of waste figures.

By having accessing to data with a higher quality, and greater granularity, actions and plans can be designed to help reach targets that are yet to be achieved by the 2025 target.

**NHS Lanarkshire waste workstream updates 22/23**

With the introduction of workstreams and workstream leads towards the end of 22/23 to the Sustainability and Environment Group, formal structures have been put in place to identify objectives of each workstream in line with NHS Lanarkshire’s strategy and to formulate a workplan. At the end of 22/23, the waste workstream identified their objectives for 23/24, these are as follows:

<b>Objective 1</b>	Waste Management/ Front Line staff training
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Objective 2	Learn Pro Module on waste management handling
Objective 3	Waste Management Audits (Acute)
Objective 4	Waste Management Audits (Community)
Objective 5	NHS Lanarkshire Waste Management Policy Development
Objective 6	Update of IMS216 Management of Healthcare Waste Procedure
Objective 7	Increase segregation within clinical areas via SLWG to be established with clinical and site input (Acute sites)
Objective 8	Implement Plastic Projects segregation
Objective 9	Expand UH Wishaw Waste Yard
Objective 10	Implement deposit return scheme
Objective 11	Reduce clinical waste by 5% across NHS Lanarkshire
Objective 12	General Waste Contractor Audit - waste final destination
Objective 13	POPs segregation

Progress against these objectives will be reported on in the next reporting period.

## 10. ENVIRONMENTAL STEWARDSHIP

Environmental stewardship means acting as a steward, or caretaker, of the environment and taking responsibility for the actions which affect our shared environmental quality.

This includes any activities which may adversely impact on land, air and water, either through the unsustainable use of resources or the generation of waste and pollution. Having an Environmental Management System (EMS) in place provides a framework that helps to achieve our environmental goals through consistent review, evaluation, and improvement of our environmental performance.

NHS Lanarkshire will continue to action our Sustainability Strategy objectives for environmental impact developing quality management systems to improve our environmental impact assessment and environmental performance. Progress against the objectives in the strategy are outlined below:

<b>Our NHS</b>	
Implement an organisation-wide Environmental Management System (EMS) based on ISO 14001:2015;	Implementation of an EMS is in progress and steps to progress implementation have been identified.
Appoint a Board Environmental Management Representative (EMR) for environmental management matters;	To fully implement an EMS, it has been identified that additional resource is required to support the work. In 23/24, the sustainability team are looking at opportunities to expand resource in the team through identifying spend to save opportunities and the expansion of our intern programme.
Apply the “Plan, do, check, act” principles to environmental management.	NHS Lanarkshire’s sustainability and environment group has set out a workplan to progress its environment and sustainability agenda. Workstreams have been put in place each with a workstream lead to implement the workplan and the sustainability and environment group meet bimonthly to check progress against the workplan, where any actions required to address risks and issues are addressed.
<b>Our People</b>	
Engage service leads across the organisation to understand current practices, gather information, and ensure compliance;	6 workstream leads identified across the environment and sustainability agenda.
Seek out environmental management training and upskilling and learning opportunities for staff;	ISO 14001:2015 Lead Auditor Training was successfully completed by a member of the sustainability team. Further training opportunities will be identified in 23/34.
Communicate the importance of best practice across the organisation;	In the next reporting year NHS Lanarkshire plan to develop a communications plan which will identify sustainability and environment topics and set out plans to engage stakeholders.
<b>Our Planet</b>	

<p>Ensure the highest levels of compliance with environmental legislation;</p>	<p>NHS Lanarkshire utilise the Rio system in order to remain up to date with current and new legislative requirements.</p>
<p>We will use the tool to broaden the scope of our approach to environmental management and through regular audits and reports will raise awareness of the opportunities and challenges for reducing environmental harm;</p>	<p>NHS Lanarkshire has conducted data QI to identify areas of strength and weakness within our data set. NHS Lanarkshire have already improved on the quality and quantity of environmental data reported within the annual PSCCDR.</p> <p>In the next reporting year, NHS Lanarkshire plan to develop regular sustainability reporting to stakeholders.</p>
<p>Engage third party bodies such as Healthcare Without Harm to share best practice;</p>	<p>As above, NHS Lanarkshire plan to develop a communications plan to engage with stakeholders and share best practice.</p>

## II. SUSTAINABLE CONSTRUCTION



Where there is a need for new healthcare facilities, we want both the buildings and grounds to be safe, nature-rich, sustainable, resilient and accessible. NHS Lanarkshire is currently working on the Monklands Replacement Project (MRP). The outline business case for this is set to be approved in early 23/24.

The MRP is NHS Lanarkshire’s exciting and positive vision for University Hospital Monklands, setting out proposals to transform healthcare services for our people and communities. This is based on building a new state-of-the-art University Hospital Monklands on a new site at Wester Moffat, near Airdrie. This will allow NHS Lanarkshire to meet the needs of a modern healthcare service.

The new Monklands will be Scotland’s first digital hospital and will deliver a blueprint for how clinicians will treat patients in the future – NHS Lanarkshire’s ‘clinical model’ – bringing tangible benefits for patients, visitors and staff alike. This will help NHS Lanarkshire to achieve their vision of providing high-quality, innovative and person-centred health and social care that helps achieve a healthier life for all.

The new hospital will be the first in Scotland to be designed from the outset to be net zero for both the build and operation phases. The expectation is that the new University Hospital Monklands should be an exemplar healthcare building and we are aiming to comply with the Net Zero Carbon Public Sector Buildings (NZCPSB) standard and to the Sustainable Design and Construction Guide (SDaC),

which was developed by NHS Scotland and for which the MRP will be a test piece of. The hospital will be built to have: reduced energy demand; increased efficiency; and renewable energy sources.

This design process requires an all-round, innovative approach to the delivery of a highly sustainable, low-carbon “next generation” hospital with a people-focused approach to health, wellbeing and amenity. The design of the hospital will reflect the expectation towards agile/flexible working, wellness, sustainability and embedded smart building technology. In addition, any design solution will include the ability to integrate future technologies that may not currently be available but would enhance the sustainable aspirations of the facility if utilised at a future date.

It is estimated that the new Monklands will be completed around 2031.

For any on-going refurbishments and new capital projects, the NHSL sustainability team are now working closely with PSSD (Property Support Services Directorate) to establish key environmental sustainability metrics which can be measured for any new works i.e. changes in consumption due to change in kit etc.

## 12. SUSTAINABLE COMMUNITIES

The climate emergency undermines the foundations of good health and deepens inequalities for our most deprived communities.

The NHS touches every community in Scotland. We have a responsibility to use our abilities as a large employer, a major buyer, and one of the most recognised brands in the world – an ‘anchor’ organisation – to protect and support our communities’ health in every way that we can.

The climate emergency undermines the foundations of good health and deepens inequalities for our most deprived communities. The NHS touches every community in Scotland. We have a responsibility to use our abilities as a large employer, a major buyer, and one of the most recognised brands in the world – an ‘anchor’ organisation – to protect and support our communities’ health in every way that we can.

Recognising our role as an anchor organisation, the Lanarkshire Green Health Partnership (LGHP) was formed in April 2018 and is helping to connect health & social care with nature. Lanarkshire is rich in greenspace, parks, and nature but this has, historically, been an underused asset. We are aiming to raise awareness and confidence of the workforce and community to access, promote and utilise our green health spaces.

### **What we are doing to act as an anchor institution for our local community**

A key aim of the LGHP is the enhancement of NHS estates to offer therapeutic spaces for hospital inpatients, outpatients and community volunteers by providing growing sessions (led by a third sector organisation - Clydesdale Community Initiatives). This not only helps to facilitate health and wellbeing outcomes for the individuals but also increases biodiversity to the greenspaces. Green health sessions are held at 5 community hospitals: Coathill, Kirklands, Airbles Road, Ladyholm and Kello. The initiative was recognised nationally for the key achievements from 22/23 which include:

- On-going development with participants engaged with therapeutic gardening sessions

- University Hairmyres Hospital wards 19 & 20 set up a food growing site and have gone from strength to strength
- Continued harvest of vegetables from hospital gardens donated to Clydesdale Foodbank
- Development of the dementia garden at Airbles Road.
- New development of the King George V Garden at UHW

## **What we are doing to improve the resilience of our local community to climate change**

As a local Anchor institution, NHS Lanarkshire works collaboratively with voluntary organisations such as Voluntary Action North Lanarkshire (VANL) and Voluntary Action South Lanarkshire (VASLAN), through groups such as LGHP and ACT Now NL, to advance community resilience in the face of climate change by sharing updates on climate-related work, sharing best practice and insight, and contributing resources.

Plans have been made to source funding to develop a Lanarkshire Climate Hub which will involve the above organisation, along with NHS Lanarkshire, North Lanarkshire Council, South Lanarkshire Council, Police Scotland and Scottish Fire and Rescue.

The LGHP continues to embed green health within services such as NHS Weight Management options, outdoor opportunities with leisure colleagues and promotion of health walks through our “Get Walking Lanarkshire” programme. The LGHP work closely with sustainability and environmental sectors within the NHS to contribute to achieving sustainability targets and addressing climate challenges.

NHS Lanarkshire continues to build relationships with both third sector organisations and other public sector organisations. This involves sharing plans around future projects, and working in conjunction ensure that any project undertaken can benefit as much of the local community as possible.

## **13. CONCLUSION**

NHS Lanarkshire has made significant progress in emissions reductions and environmental improvement since 1990. The Board is, however, acutely aware of the challenges posed by net-zero ambitions and the scale of work to be done to combat the climate crisis. With that in mind, several projects are underway which will help the Board plot a route to net-zero by 2040 from the here and now, regardless of progress made to date. Some highlights are areas for focus next year include:

- Net zero route map now completed by Jacobs and handed over to NHS Lanarkshire. Board now needs to maintain this and adapt as necessary. Report focused on highlighting areas of focus, challenges, and opportunities (particularly in the decarbonisation of heat) for the Board to consider and take forward;
- Utilisation of phase 2 of £60k pre-capital funding via the [Green Public Sector Estate Decarbonisation Scheme \(GPSEDS\)](#) . This is after the success of phase one which when completed, will allow specific emissions reductions and improvement projects to be taken forward and allow the Board to take advantage of up to £2m worth of funding via the same scheme next financial year;

- Delivery of ~ £2million worth of Energy Conservation Measures through the GPSEDS. This should include solar PV, heat recovery and insulation projects;
- NHS Lanarkshire Sustainability & Climate Change strategic plan was approved by the NHS Lanarkshire Board in October 2022 and forms the basis of all activity relating to sustainability and climate change. The strategy also reflects the ambitions of DL (2021) 38 and national climate change targets. Board now must review on annual basis to measure performance

### **Areas of Focus**

- Utilisation of grant funding. Through extensive “pre-capital” work carried out in 22/23, the Board will be in a prime position to utilise funds such as GPSEDS as referenced above.
- Roll out of multiple strategies including, but not limited to, biodiversity strategy, greenspace strategy, travel strategy
- Roll out of multiple policies including, but not limited to, biodiversity policy, greenspace policy, travel policy
- Continued improvement of data both in terms of quality and quantity
- Continued engagement, through tools like utility monitoring dashboard