

CARBON REDUCTION PLAN

HEALTH INNOVATION OXFORD AND THAMES VALLEY



YEAR 1 | 2023 - 2024

IN COLLABORATION WITH
zellar



WELCOME TO OUR CARBON REDUCTION PLAN



Amelia James

Environmental Sustainability Lead

Addressing climate change within the NHS is not just an environmental imperative, but a moral and healthcare responsibility. Following COP28, the global call to action has never been louder, nor the stakes higher. The NHS, as a cornerstone of public health, must lead by example by reducing emissions, embracing innovation and embedding sustainability into every aspect of care. Climate change is already impacting health outcomes, and our response today will define the future of care for generations. Together, we can create a resilient, equitable and sustainable healthcare system.



Paul Durrands

Chief Operating Officer

We have 20 years to decarbonise healthcare delivery when demand and the NHS workforce are expected to double. Innovation—the implementation of ideas and technology—is essential to achieving net zero. Health Innovation Oxford and Thames Valley supports healthcare innovators and local NHS systems evaluate and adopt innovation to improve patient care, productivity and decarbonise patient pathways and NHS services. Innovators that can help the NHS become more productive will have a competitive advantage and be successful economically.

OUR CARBON EMISSIONS FOR SCOPE 1, 2 AND 3

At Health Innovation Oxford and Thames Valley, we recognise the severe impact of the climate emergency. Thus, we are committed to achieving net zero emissions inline with the NHS's net zero targets. These measures not only contribute to environmental sustainability but also demonstrate a commitment to corporate responsibility, cost savings and long-term viability. This is our second carbon reduction plan following calculating our baseline emissions.

	Scope	Emission source	Emissions (tCO ₂ e)		
			Baseline 6 April 2022 – 5 April 2023	Year 1 6 April 2023 – 5 April 2024	Change from base year in percentage
Carbon Footprint	Scope 1	Gas	0.0	0.0	0%
	Scope 2	Electricity	2.9	3.1	+ 7%
	Scope 3	Business travel	1.8	1.2	- 33 %
		Waste	1.0	1.0	0%
		Water	0.1	0.1	0%
Carbon Footprint Plus	Scope 3	Employee working from home	24.0	21.0	- 13 %
		Employee commuting	6.0	5.4	- 10%
		Purchase goods and services by expenditure	141	105	- 26%
Total			176.8	136.8	- 22.6%

We are proud to report a 22.6% reduction in carbon emissions in Year 1 compared to our baseline year.

This significant progress demonstrates our commitment to supporting the NHS's net zero targets. Health Innovation Oxford and Thames Valley is committed to build on this, identifying further opportunities to decarbonise services and championing innovative solutions that align with the NHS's net zero agenda. By continuing this trajectory, we aim to lead by example, demonstrating the critical role healthcare plays in climate leadership.

OUR APPROACH & CARBON REDUCTION PROJECTS

At Health Innovation Oxford and Thames Valley, we have developed a coordinated approach to climate change that focuses on leadership, our operations and our supply chain.

LEADERSHIP

As we move forward, we continue to recognise the critical role of climate leadership in driving the success of our carbon reduction efforts and mitigating the adverse effects of climate change. Effective leadership remains central to our strategy, ensuring ambitious targets are set and met while mobilising collective action across stakeholders. Our Chief Operating Officer, Dr Paul Durrands, continues to chair the national Health Innovation Network's Environmental Sustainability Advisory Group, with Amelia James, our Environmental Sustainability Lead, playing a pivotal role. To maintain organisational awareness and support, we provide yearly net zero training to all staff, embedding sustainability into our culture.

OPERATIONS

Greener travel practices and digital-first solutions remain key components of our strategy to reduce operational emissions. By continuing to optimise operations through video conferencing and remote collaboration tools, we significantly minimise travel-related carbon emissions. Our ongoing shift towards digital alternatives has further reduced paper, printing, and postage emissions while cutting waste. In addition, we now consistently provide plant-based food options at catered events, reflecting our commitment to sustainable practices and reducing emissions associated with food production.

SUPPLY CHAIN

Addressing our supply chain's carbon footprint remains a top priority, as it represents the largest share of our emissions. Over the past year, we have continued to explore ways to ensure sustainability is a priority in our procurement processes and are working with Oxford University Hospitals (our NHS host trust) to develop and implement a Green Supplier Policy, to ensure our suppliers align with NHS net zero ambitions. This will drive innovation, improve resilience and enable meaningful reductions in our environmental impact.

OUR NET ZERO TARGETS

The NHS's Net Zero Targets

In 2020, NHS England became the world's first health service to commit to net zero. Two targets were set:

- For emissions the NHS controls directly, the target is net zero by 2040.
- For emissions the NHS influences but does not control, the target is net zero by 2045.

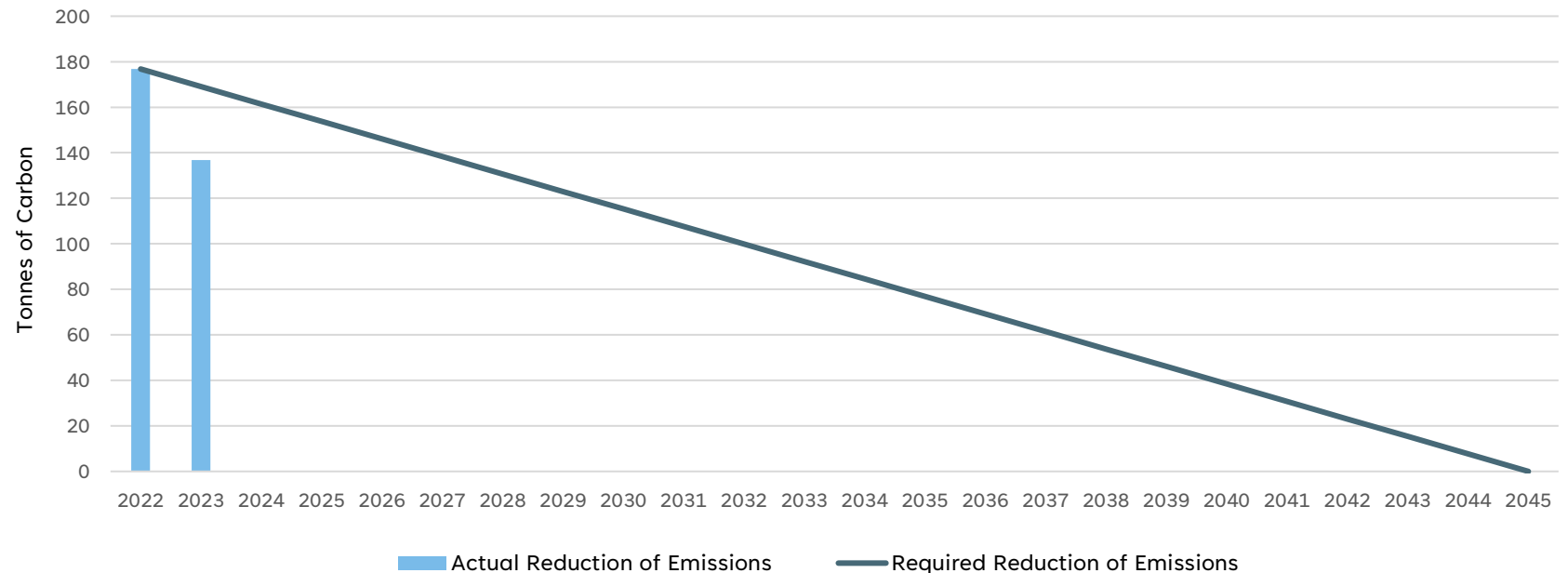
Health Innovation Oxford and Thames Valley Net Zero Targets

We recognise the importance of and therefore have aligned to the NHS's commitments. Our net zero target for emissions we control directly (our carbon footprint) is 2040 and our net zero target for emissions we can only influence (our 'carbon footprint plus') is 2045.

Our Reduction Trajectory

To reach these targets we need to reduce our emissions by 4.35% year on year, the equivalent of 7.69 tonnes of carbon. The graph below shows that **this year we reduced our carbon emissions by 40 tonnes, well ahead of target.**

Our Reduction Target by 2045



DECLARATION AND SIGN OFF

This Carbon Reduction Plan has been completed in accordance with PPN 06/21, 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, the GHG Reporting Protocol corporate standard and uses the appropriate Government emission conversion factors for greenhouse gas company reporting. The sources used are provided below:

[Corporate Standard | GHG Protocol](#)

[Government conversion factors for company reporting of greenhouse gas emissions - GOV.UK \(www.gov.uk\)](#)

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

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 board of directors (or equivalent management body).

Signed off on behalf of Health Innovation Oxford and Thames Valley:



Professor Gary Ford
Chief Executive Officer

Date: Thursday 19th December 2024



Dr Paul Durrands
Chief Operating Officer

Date: Thursday 19th December 2024

Further information:

Visit <https://www.healthinnovationoxford.org/our-work/environmental-sustainability/>

or email amelia.james2@nhs.net



“We are the first generation to feel the effect of climate change and the last generation who can do something about it”

Barack Obama, Former President of the United States