

Greener NHS



Decarbonising the Life Sciences Sector

Delivering a net zero NHS

16th September 2026

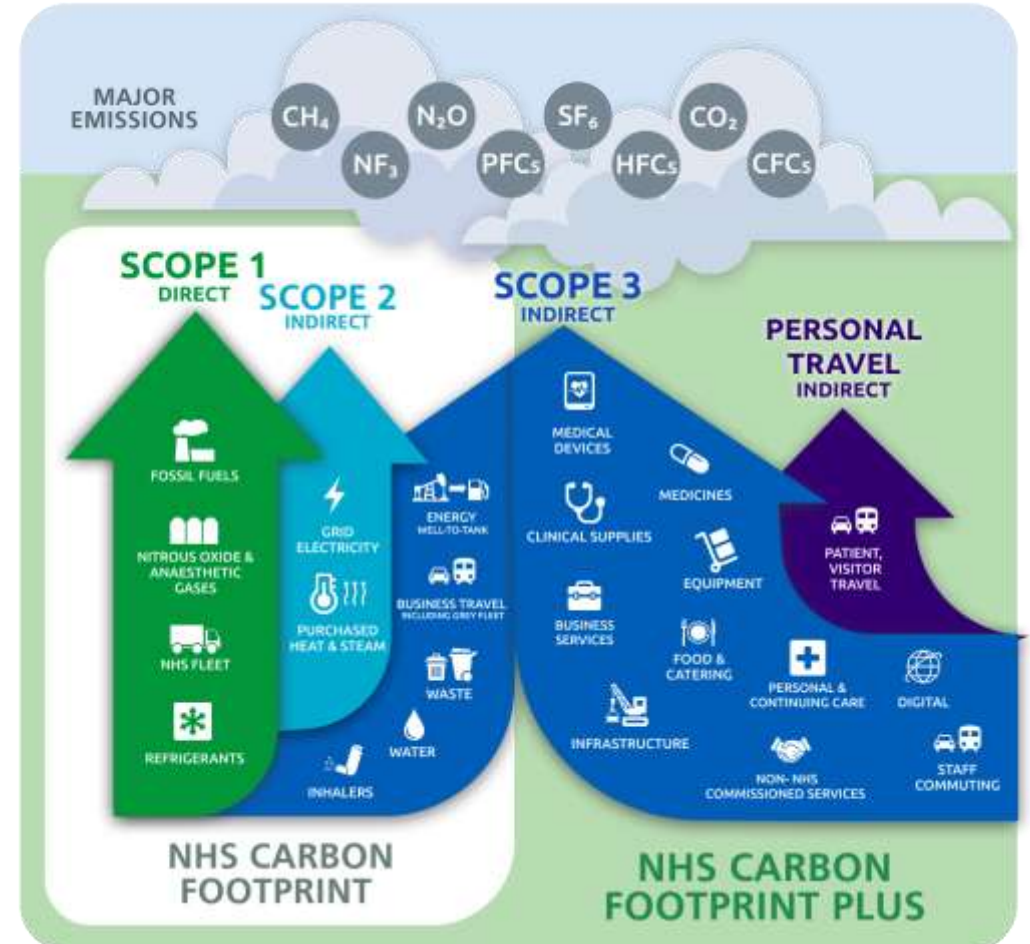
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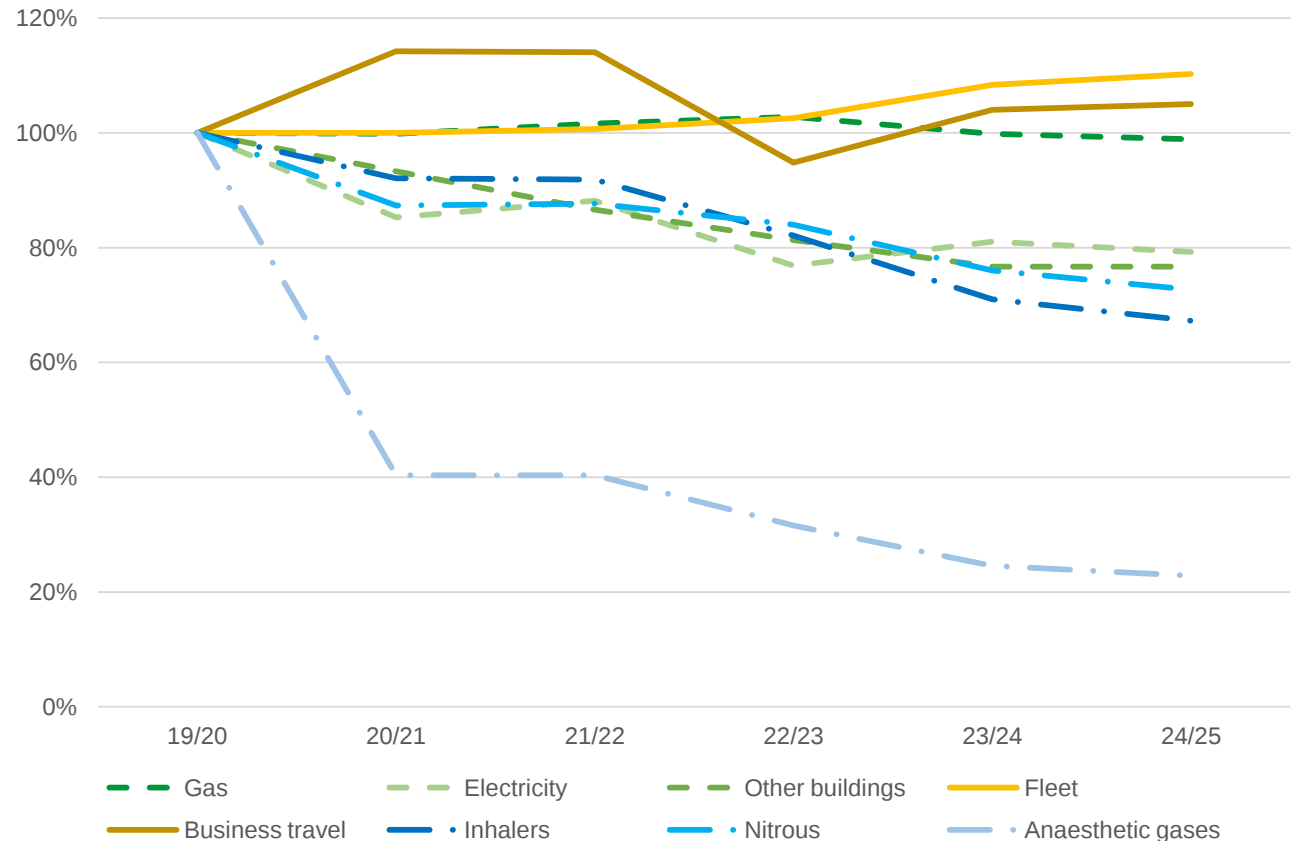
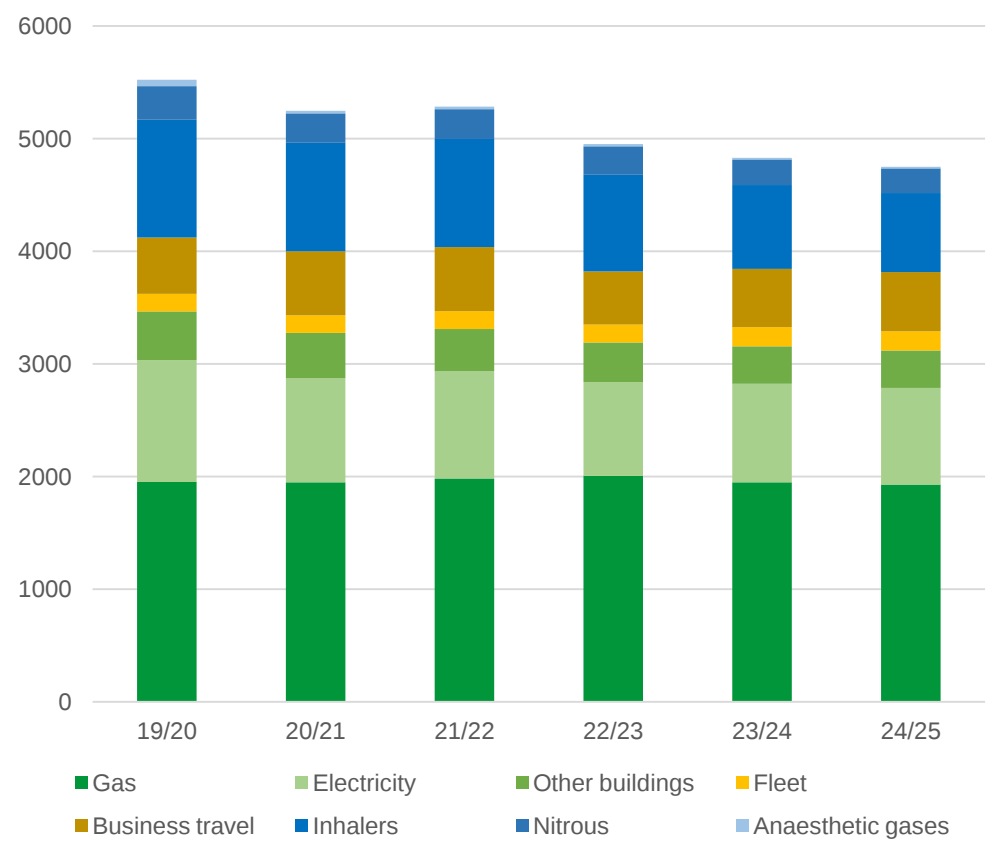
NHS Net Zero Strategy

Reaching net zero carbon:

- **by 2040 for the emissions we control directly** (the NHS Carbon Footprint)
 - *with an ambition to reach an **80% reduction**, compared with a 1990 baseline, **by 2028 to 2032**.*
- **by 2045 for all emissions**, including those embedded in the supply chain (the NHS Carbon Footprint Plus)
 - *with an ambition for an **80% reduction**, compared with a 1990 baseline, **by 2036 to 2039**.*

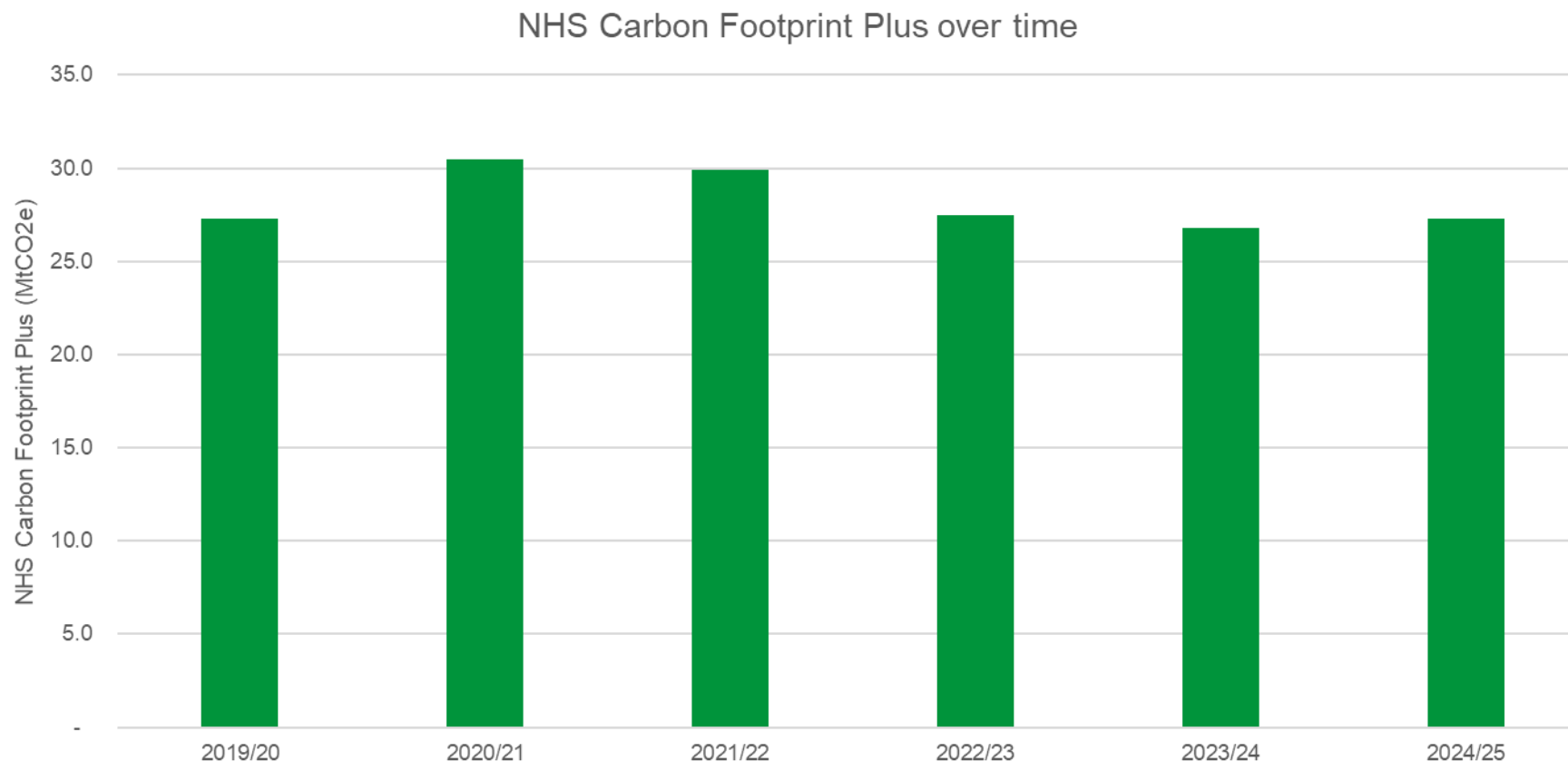


Five years on – NHS Carbon Footprint



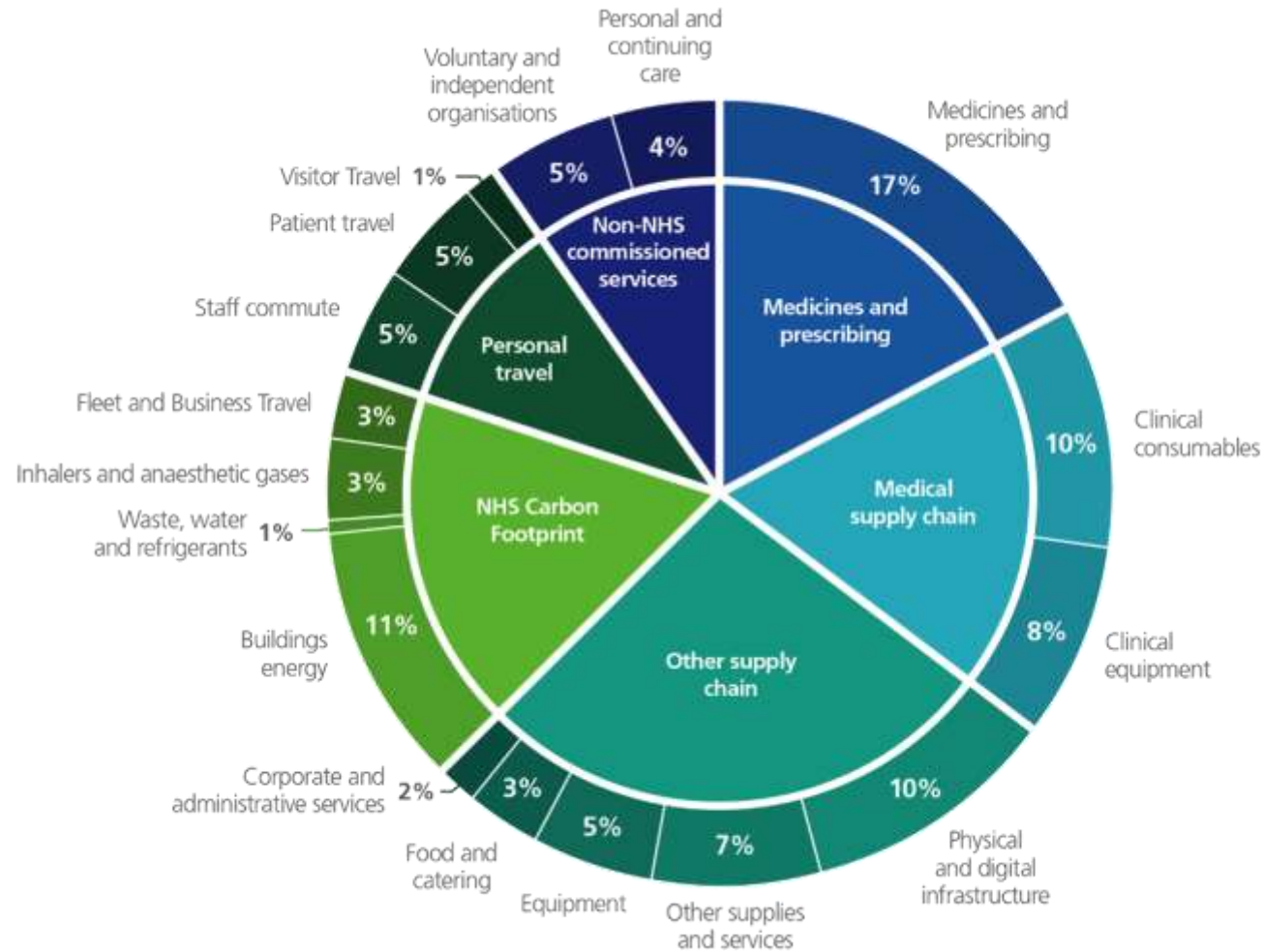
NHS Carbon Footprint has reduced by 14% (nearly 800 ktCO2e) since 2019/20
Reduction of 68% compared with updated 1990 estimate of 14.5Mt CO2e

Five years on – NHS Carbon Footprint Plus



Overall, in the last 5 years the **NHS Carbon Footprint Plus has reduced by 15% per real pound of the NHS budget**, and by 7% per finished admission episode (FAE), which suggests the NHS and its suppliers are making progress.

Where do we need to act?



Sources of carbon emissions by proportion of NHS Carbon Footprint Plus

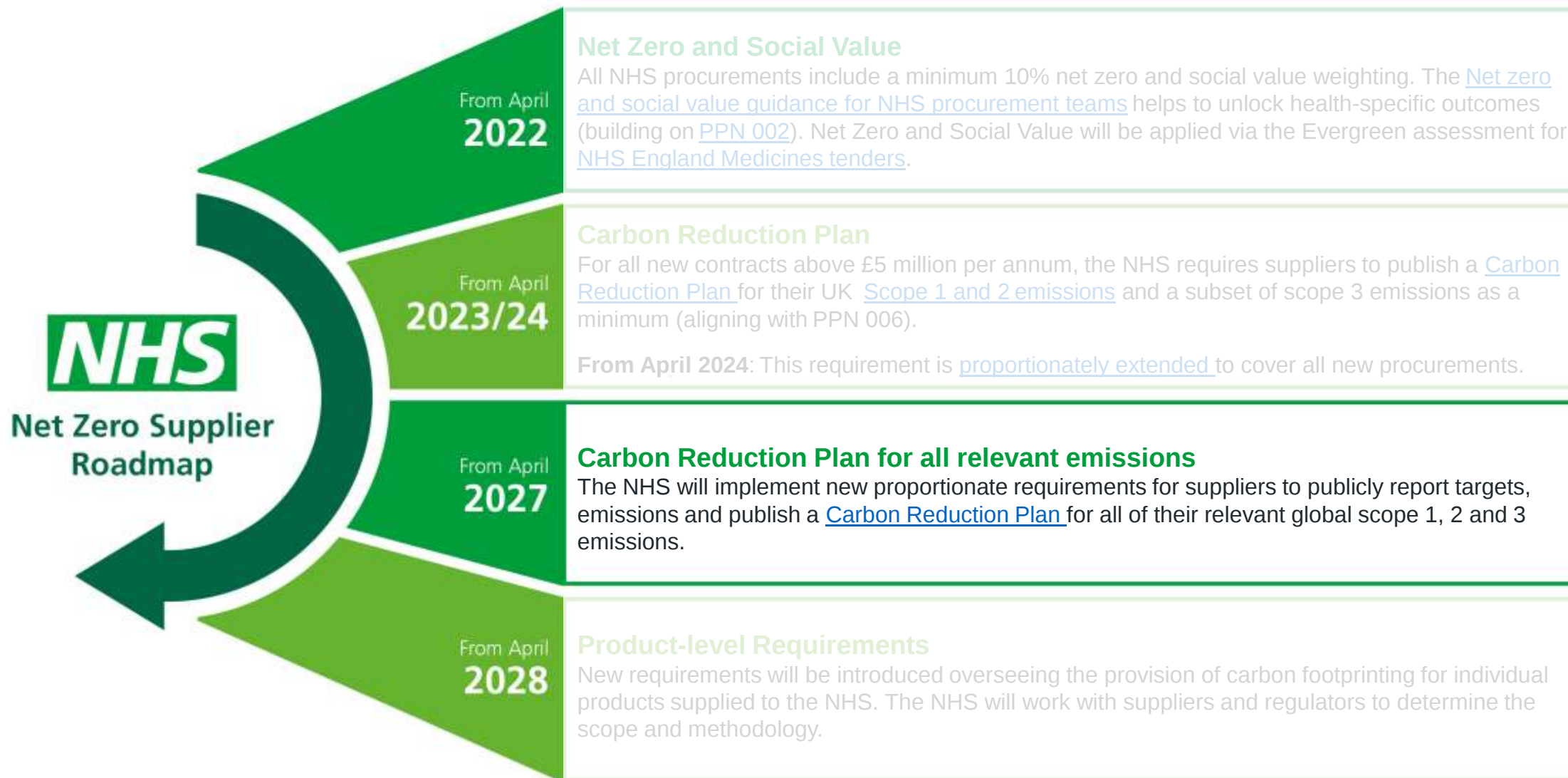
NHS Net Zero Supplier Roadmap



Supporting supplier decarbonisation



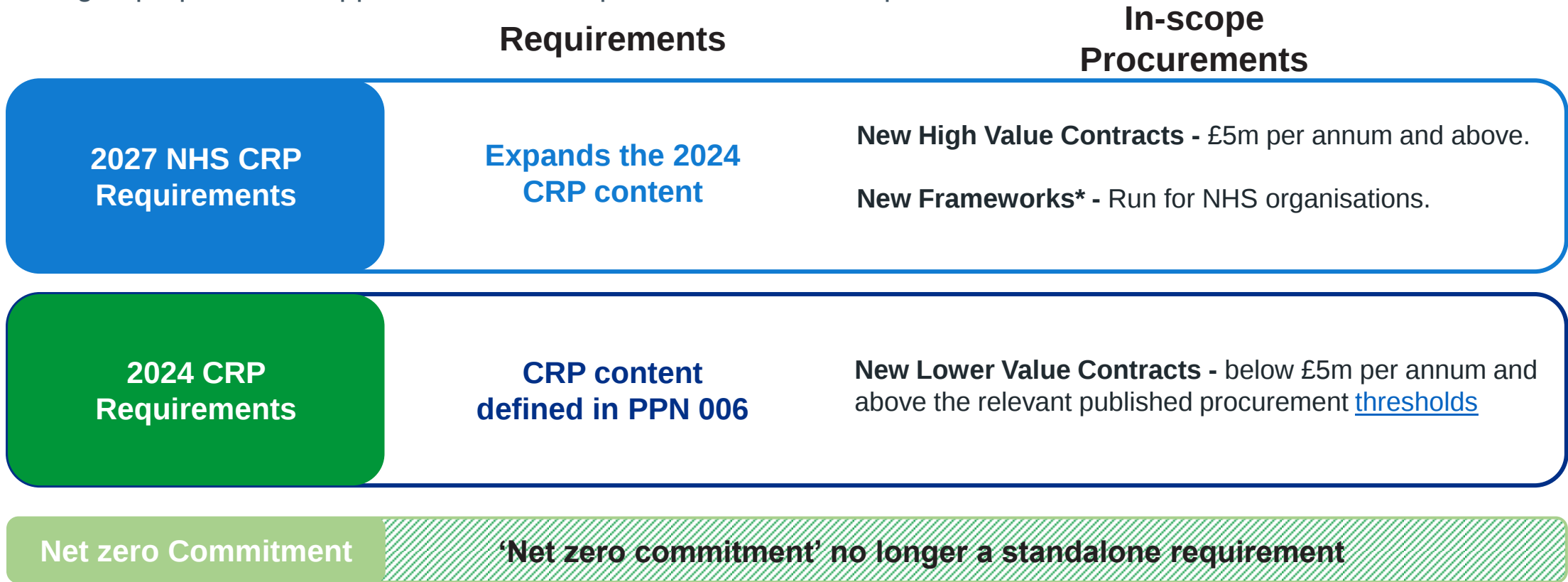
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2027 milestone



The next step on the NHS Net Zero Supplier Roadmap - Supporting suppliers while raising ambition and ensuring a proportionate approach to CRP requirements across all procurements.



* Where new NHS framework owners determine the 2027 CRP requirements not to be relevant and proportionate, a 2024 CRP should be requested.

Technical detail on CRP requirements



The geographical boundary and Scope 3 coverage differ between the 2024 and 2027 NHS CRP requirements

Technical requirement	2024 CRP Requirements	2027 NHS CRP Requirements
Commitment to achieve net zero by	2050 (across scope 1, 2 and all relevant scope 3)	
Entity the commitment and emissions should relate to	Supplier to the NHS (the organisation engaging with the NHS). Alternatively, the parent entity may report on behalf of the supplier engaging with the NHS.	
Emissions in scope for target setting and emission disclosure	Emissions from sources in the UK (minimum)	All relevant emissions
	Scope 1, 2 and a defined subset of scope 3 Defined subset of scope 3: • upstream transportation and distribution • waste generated in operations • business travel • employee commuting • downstream transportation and distribution	Scope 1, 2 and all relevant scope 3 in adherence with the GHG Protocol Corporate Value Chain (Scope 3) Standard

Supporting supplier decarbonisation



2028 milestone timeline

Activity and supply chain engagement to co-develop the 2028 policy approach building on existing standards and methodologies

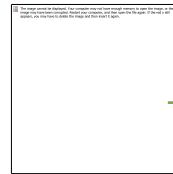
2025/26

2026/2027

2027/2028

April 2028 onwards

**Ongoing
engagement and
development**



Scoping and planning
Exploratory engagement,
1:1s & forums

Refining the approach
Technical reference group
and Market Insights
Survey

Testing the approach
Testing potential
approaches in
partnership with industry

**Targeted and
proportionate
introduction** Supplier
readiness support

**Examples of
existing
standards and
methodologies**



Research and Innovation



Research and Innovation

1. Stimulate and **increase collaborations** between academic, environmental experts and NHS staff to support the net zero NHS agenda
2. Leverage and **support funding** that align with Greener NHS priorities
3. Coordinate **research initiatives**
4. Support innovation – Stimulate an ecosystem of green innovations and supporting **innovations that address areas of high emissions with** their implementation, adoption and evaluation



UCLPartners Climate Collaborative – Connecting for Change to help achieve NHS net zero

Our Connecting for Change programme aims to build academic-NHS collaborations to produce actionable evidence needed to accelerate net zero healthcare.

Supporting innovations



Competition 18

*Awarded £1m to 10 innovation projects in 2021
Further ~ £5m allocated to follow-on funding (Phase 2)*

- Reducing emissions from care miles
- Reducing emissions from surgical pathways
- Reducing nitrous oxide emissions
- Tools to support low-carbon decision making



Competition 24

Awarded £1.5m to 12-month projects (March 2024)

- Clinical community engagement
- Novel business models to enable circularity in perioperative care and critical care settings
- Net zero transformation across clinical pathways



Competition 22

Launched in August 2022 – awarded £1m to 11 innovation projects in 2022

£1.5m follow-on Phase 2 funding for development and testing

- Decarbonising surgical pathways
- Reducing waste in surgery and critical care
- Net zero personalised care
- Tools to support the workforce to deliver net zero care



Supported the implementation of 4 sustainable interventions in real-world setting:

- Clinical pathways, energy savings and decontamination approaches
- Evaluation of the implementation to support future adoption
- Development of an evaluation framework for environmental impact

NET ZERO PORTFOLIO IMPACT

July 2021 - April 2024



£10m

Total invested

39

Products supported



28

IP granted

148

New collaborations established

282

Sites accessed through trials or sales

96

Jobs created / retained



£3.5m+

Revenue generated

5

Products exported

10

Companies with sales in the NHS

>1.2m

Patients involved through sales and trials

£2.7m+

Private investment leveraged

10

Companies with commercial revenues



Improved patient care



Money saved

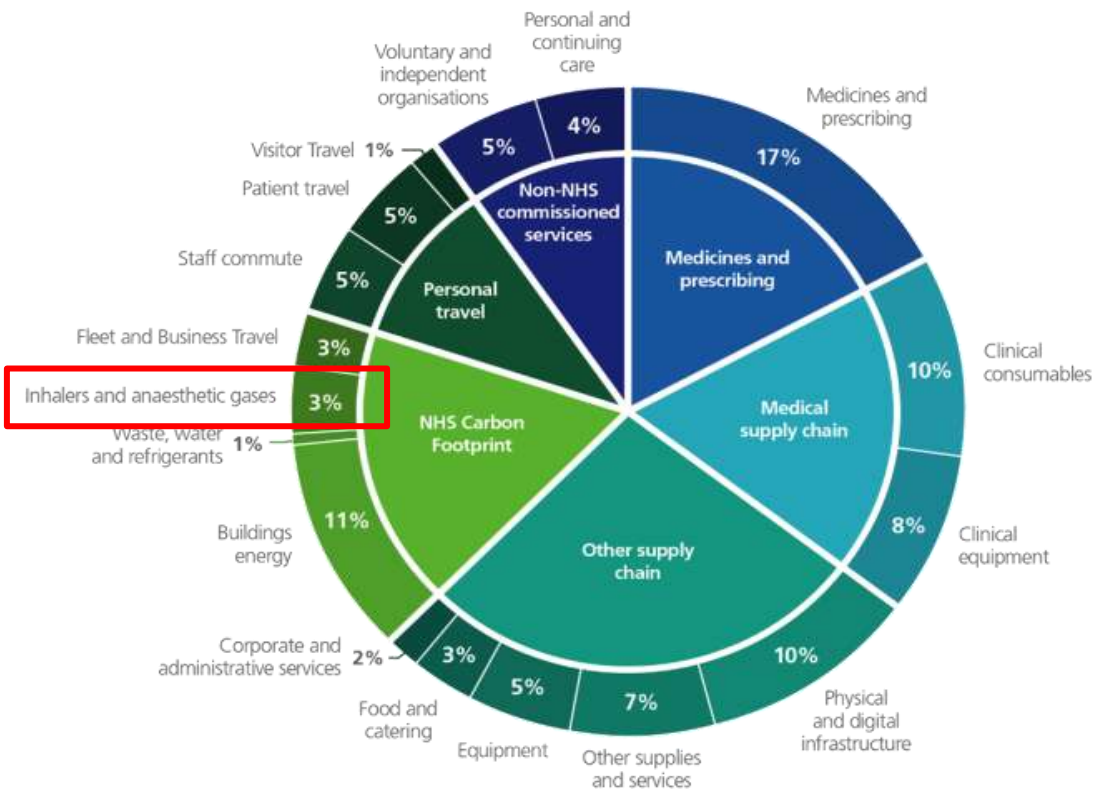


Lowered carbon emissions



Circular economy supported

How policy, regulation and innovation can work together to tackle emissions



Innovative advancement maintains therapeutic efficacy while significantly reducing the carbon footprint and environmental impact of the inhaler (versus current propellants).



Thank you

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