




York and Scarborough
Teaching Hospitals
NHS Foundation Trust

A photograph of York Minster, a large Gothic cathedral, seen through the dense green foliage of trees in the foreground. The sky is overcast and grey. The cathedral's spires and intricate stonework are visible through the branches.

York and Scarborough Teaching Hospitals NHS Foundation Trust Green Plan 2021-2026 (Summary Version)

Summary

Scope and Overview

This 2021-2026 Green Plan has been developed to replace the 2017-2020 Sustainable Development Management Plan, taking account of recent NHS guidance and targets.

Achieving the net zero carbon target which relates to the emissions that we directly control (referred to as our NHS Carbon Footprint) through reducing our energy use, our fleet and business travel, our use of anaesthetic gases and with changes to prescribing inhalers, is to be achieved by 2040 with 80% of this delivered by 2032. For emissions that we can influence but can't directly control, the net zero target is 2045 for our NHS Carbon footprint Plus. The NHS Carbon Footprint Plus includes the embodied carbon emissions from the things we buy such as medicines and medical devices and also the carbon footprint of patient and visitor travel together with the staff commute.

Carbon Footprint Analysis

Analysis of our NHS Carbon Footprint shows that 73% of the footprint is due to our energy use with 55% of the footprint coming from our gas consumption. Fleet and business travel contributes 6% of our carbon emissions, patient and visitor travel accounts for the second largest proportion(17%) of the Carbon Footprint Plus, with medicines at 23% being the highest proportion. In summarising the actions required to achieve carbon and greenhouse gas reduction, there is a strong focus on energy, through better control, improvements to building fabric, installation of renewables and building to net zero standards, and also travel, through improvements of facilities for active travel and electric vehicle charging, but also noting that this is about total reduction to net zero through emerging technology, the way that we deliver services to minimise waste and procurement decisions that capture requirements to reduce the carbon impact and lead to net zero.

Contents

This summary version of the Green Plan highlights key targets and work areas as well as providing an overview of historical and projected future emissions.

Page 3: Summary of historic emissions progress

Pages 4-5 Overview of how the “Delivering a Net Zero NHS” report of October 2020 impacts the Trust, the composition of our carbon footprint and future reductions required to be compliant with these requirements.

Pages 6-7: Overview of the SDAT categories and Achievements.

Page 8: Future Targets in addition to “Delivering a Net Zero NHS” requirements

The full version which contains significantly more detailed information can be accessed here:

Carbon reduction progress

CO₂e emissions 2007/8 – 2019/20

Scopes of emissions

Scope 1: Emissions that come directly from our estate - examples include gas used for heating and power generation, anaesthetic gases used in surgery and the fuel used by our vehicle fleet



Scope 2: Our only emissions in this area are from the electricity we import from the grid



Scope 3: Downstream emissions such as the carbon embedded in what we buy, our grey fleet business travel and the travel of our patients and visitors

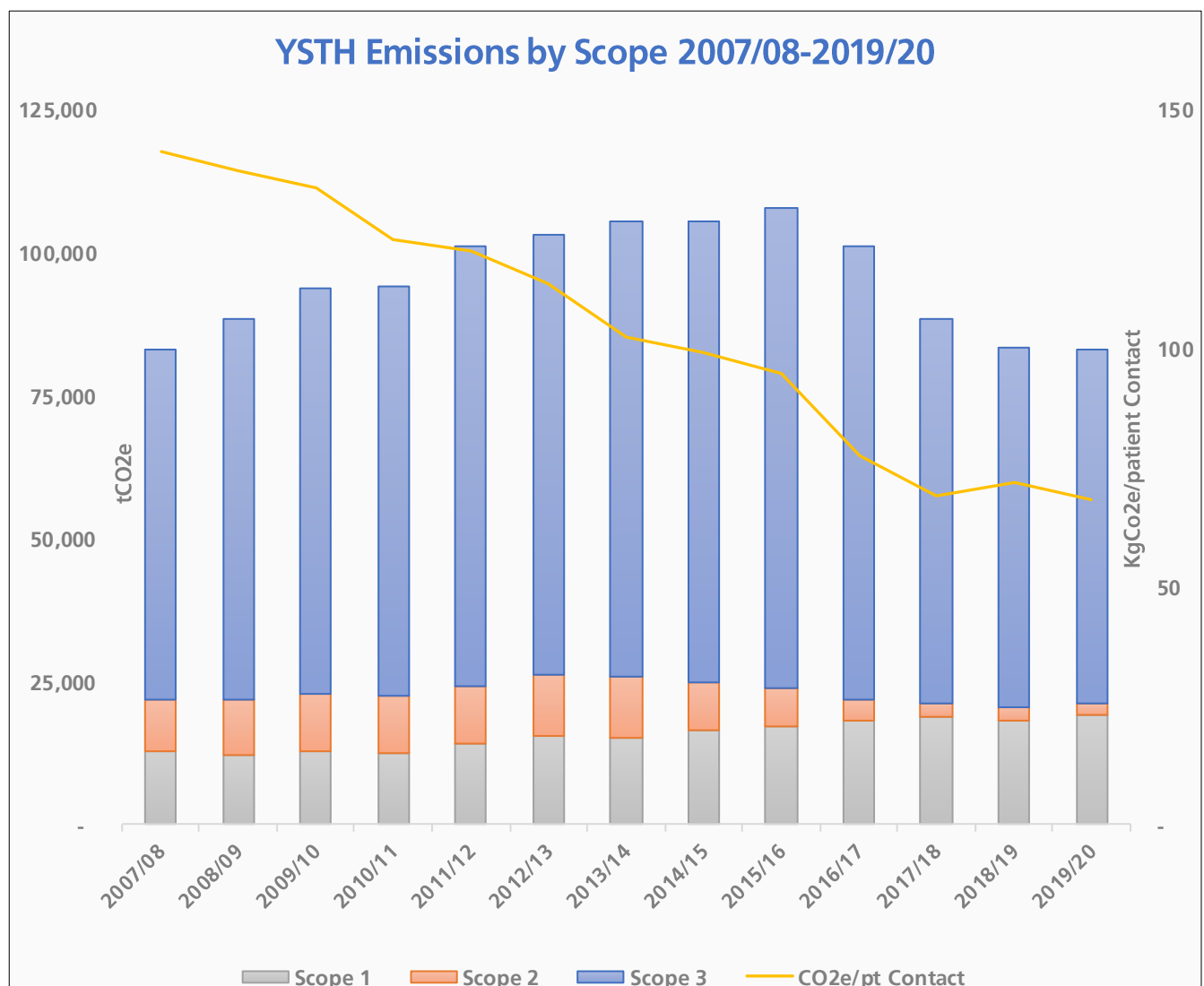


Figure 1: Total Trust CO₂e emissions 2007/8-2019/20 by scope

Delivering A Net Zero NHS

Historic and forecast data

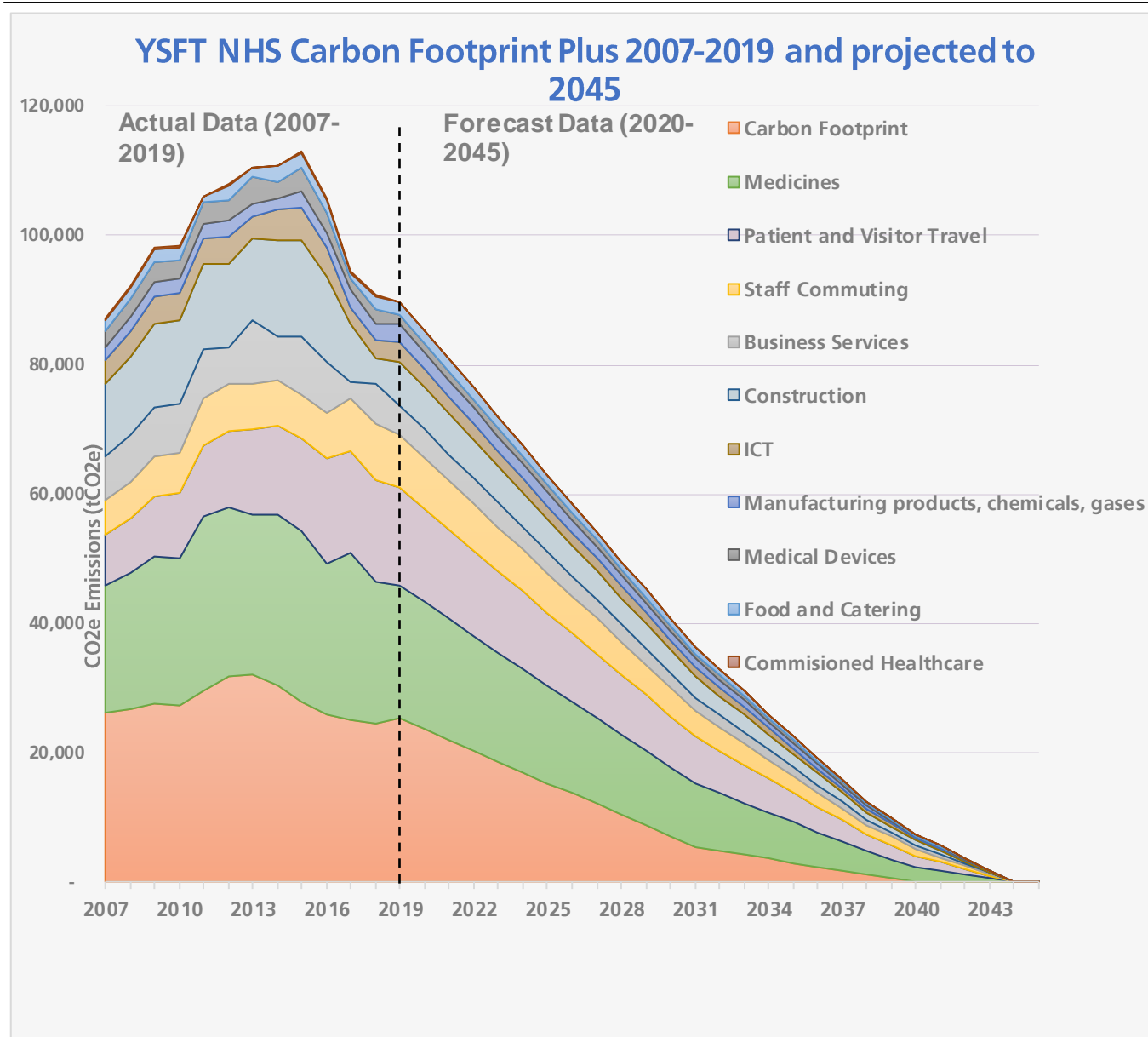


Figure 4: Historic Trust emissions aligned with the “Delivering a Net Zero NHS” Carbon Footprint Plus and projected to 2044/45

NHS Carbon Footprint and Carbon Footprint Plus Targets

- Carbon Footprint (Figure 2, page 5)
- 80% Reduction by 2032 and 100% by 2040
- Carbon Footprint Plus (Figure 3, page 5)
- 80% Reduction by 2039 and 100% by 2045

6.2 Delivering A Net Zero NHS

2019/20 Carbon Footprint/Carbon Footprint Plus

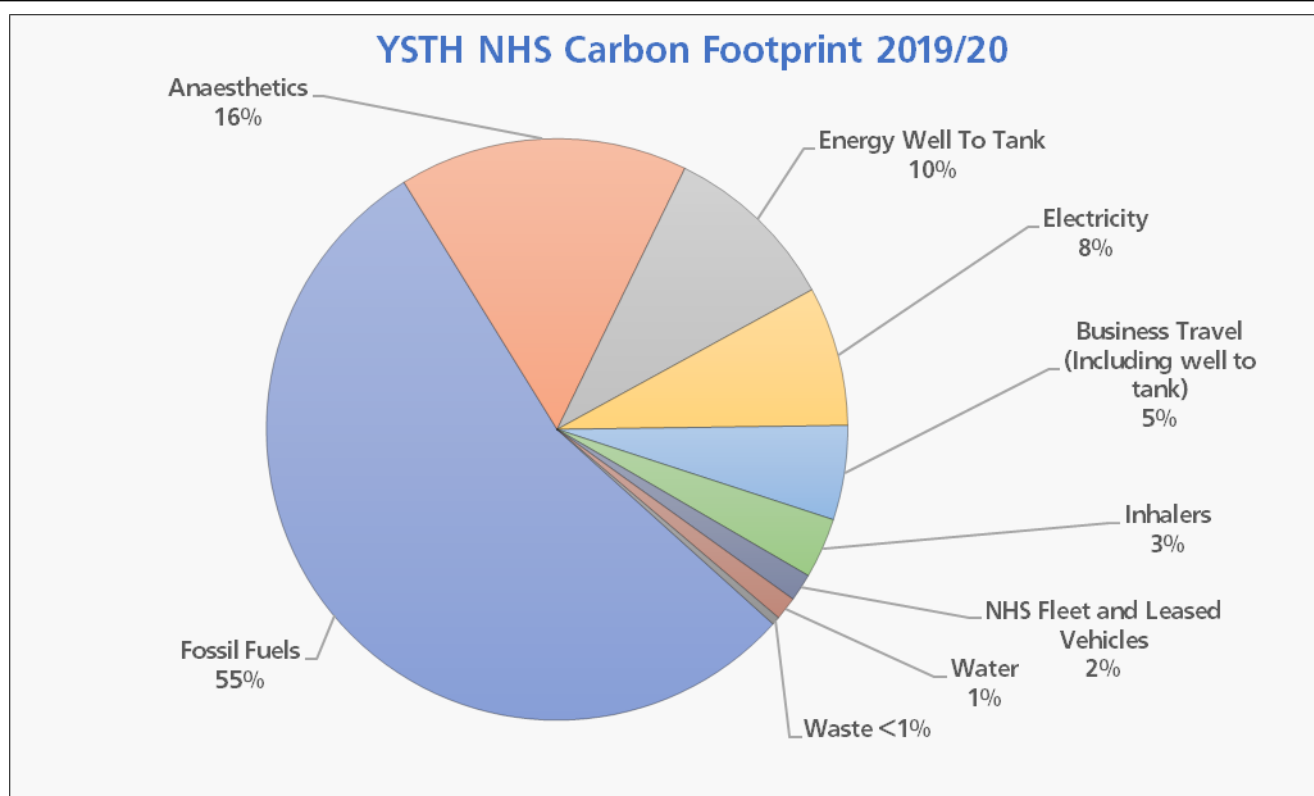


Figure 2: Trust carbon emissions for 2019/20 broken down into NHS Carbon Footprint categories

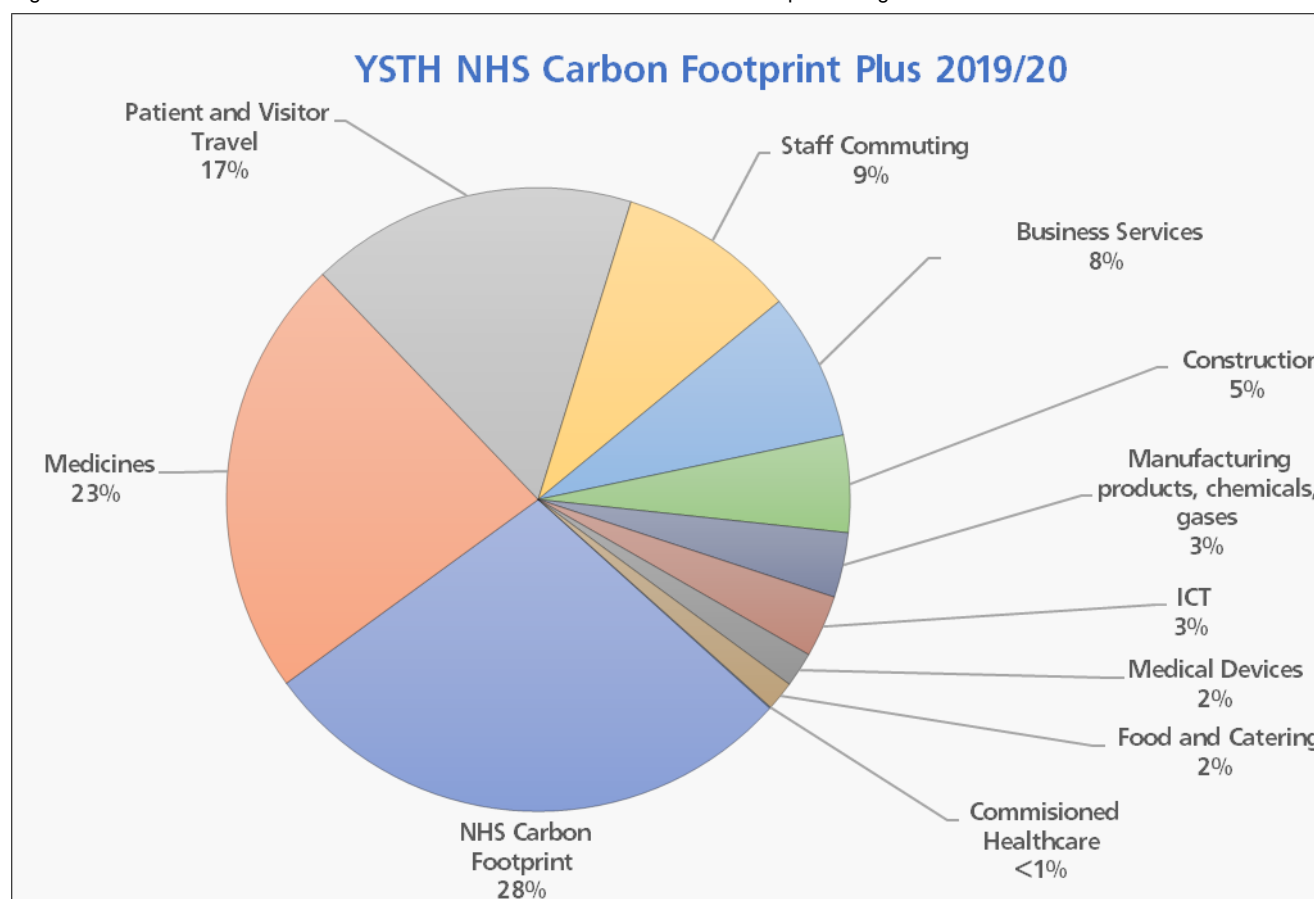


Figure 3: Trust carbon emissions for 2019/20 broken down into NHS Carbon Footprint Plus categories

SDAT

Areas of focus

The Sustainable Development Assessment Tool (SDAT) areas of focus allow for a holistic approach to sustainability, including areas outside the scope of carbon reduction. An overview of the areas of work is provided below, whilst page 7 highlights some of our achievements in these areas over recent years. Page 8 provides a summary of the targets the Trust is working towards, in addition to the requirements of Delivering a Net Zero NHS.



Corporate Approach

The top down approach to sustainability within our organisation.



Asset Management and Utilities

The use of utilities such as gas and electricity across our estate.



Travel and Logistics

The travel of our fleet, business users, patients and visitors along with our staff commute.



Adaptation

The Trust's ability to deal with the impacts of a changing climate and associated extreme weather events.



Capital Projects

The consideration of Net Zero and sustainable development principles in new build and refurbishment projects.



Green Space and Biodiversity

The availability of green spaces for staff and visitors and the wildlife our sites support.



Sustainable Care Models

The integration of environmental sustainability into care models to improve efficiency and long term sustainability.



Our People

Ensuring staff are engaged with the sustainability agenda and encouraging staff to take ownership within their areas of influence



Sustainable Use of Resources

Reducing waste and the use of single use plastics.



Carbon/Greenhouse Gases

The total emission profile of our organisation and targets relating to Greenhouse gas reductions

















Overview

Achievements

	Corporate Approach The Trust operates the Sustainable Development group, with an escalation route to the Trust Board.
	Asset management and Utilities Since April 2020, all the electricity we import from the national grid is on a 100% Green Tariff.
	Travel and Logistics Business leases limit high emission vehicles and encourage Ultra-Low emission vehicles.
	Travel and Logistics Nine electric vehicles in our transport fleet and electric charge points have been introduced.
	Travel and Logistics York Hospital Park and Ride established. An E-Scooters trial is in progress at York, and we also operate car share and cycle to work schemes
	Adaptation Flood defences installed at Tadcaster Health Centre. Adverse weather plan updated to include data collection opportunities to inform longer term capital planning.
	Capital Projects Sustainable Design Guide introduced reinforcing the need to integrate BREAM Excellent standards and whole life costs for all new buildings.
	Green Space and Biodiversity £200,000 charitable funding secured for Well-being gardens, with first five to be delivered in 2021/22
	Sustainable Care Models The proportion of desflurane to sevoflurane (anaesthetic gases) used in surgery reduced from 38% in 2018/19 to 9% in 2019/20
	Our People The Trust has established a Green Champions network to engage staff in sustainability and carbon reduction
	Sustainable Use of Resources Over £6,000 in avoided costs and 3 tonnes of CO ₂ emissions saved by use of the "Warp It" reuse portal

Overview

Targets

	Cut our business mileage by 20% (2023/24)		Reduce our fleet air pollution emissions by 20% (2023/24)
	Work Towards purchasing vans under 3.5 tonnes that are ULEVs or ZEVs (April 2022)		Ensure that all new staff lease, salary sacrifice and pool cars purchased/leased are ULEVs or ZEVs (April 2022)
	Reduce face-to-face outpatient appointments by 1/3 by 2023/24 through use of virtual consultations		Reduce water usage and waste
	Phase out use of oil for primary heating (2023/24)		Support move to less carbon intensive inhalers, where clinically appropriate
	Reduce avoidable use of single- use plastics		Cease use of single use plastic cutlery, plates and cups on our premises
	Reduce use of single-use plastic food and drink containers, cups, covers and lids		Maximise the rate of return for walking aids
	Work towards ensuring that all new builds and refurbishments conform to Net Zero Standards		Replace lighting with LED alternatives during routine maintenance
	Provide an annual review of adverse weather impacts and adapt premises and service delivery to mitigate risks of climate change		Reduce carbon emissions from use of gas, oil and electricity through better controls and building fabrics and implementation of renewables and heat pump technology

Targets derived from the NHS Standard Contract Service Conditions 2021/2022³, NHS Long Term Plan 2019⁴, NHS National Operational Planning and Contracting Guidelines 2021/22⁵ and the Greener NHS MoU requirements April 2021.