Arden and GEM CSU Carbon Reduction Plan

Publication date: June 2025

Introduction

Arden and GEM CSU's vision is to add value when anticipating and meeting our customer's needs. Our mission to work as the partner of choice with our customers, delivering innovative and transformation solutions that support the triple aim of better health and wellbeing for everyone, better quality of health services for all individuals and sustainability of resources.

Arden and Gem are committed to reduce its impact on emissions across the organisation and health care systems and are responsible for introducing innovative ways in which staff can work and deliver its services, efficiently and effectively across a large geographical footprint. Arden and Gem provide collective data for reporting to NHSE/I which is collated to report on internally. Our approach to working agilely has remained, whilst encouraging face to face contact as and when required for business purposes.

Commitment to achieving Net Zero

NHS Arden and GEM CSU is committed to achieving Net Zero emissions by 2040, for the emissions we control.

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

Baseline Year: 2017/18

Additional Details relating to the Baseline Emissions calculations.

The CSU have used the Greening Government Commitment reporting guidelines to calculate the majority of these emissions.

Emissions related to energy use and waste across our corporate estate have been calculated using the best available usage data. Where information was not available, estimates have been made based on the information held.

Upstream transportation and distribution include gas and electricity well-to-tank (WTT) emissions, transportation, and distribution (T&D) losses for electricity use. WTT figures associated with business travel and T&D losses for electric vehicle charging are also included here.

Business travel includes car/private vehicles, rail and air travel. Information is not currently available to estimate business travel carried out by underground, bus, taxi, ferry or other modes of public transport.

Employee commuting has been estimated using the Office for National Statistics annual national travel survey.

Baseline year emissions: 2017/18

EMISSIONS	TOTAL (tCO$_2$e)		
Scope 1 Gas consumption and Fleet Transport	**233**		
Scope 2 Electricity Consumption	**682**		
Scope 3	**Upstream transportation and distribution**	Gas well-to-tank Electricity T&D losses Electricity well-to-tank Business travel well-to-tank Electric vehicle T&D losses	262
		Waste	4
		Business travel	346
		Employee commuting	230

	842		
		Downstream transportation and distribution	-
Total Emissions	**1,758**		

Current Emissions Reporting

Reporting Year: 2024/2025			
EMISSIONS	**TOTAL (tCO$_2$e)**		
Scope 1 Gas consumption and Fleet Transport	**44**		
Scope 2 Electricity Consumption	**48**		
Scope 3 **(Included Sources)**	**Upstream transportation and distribution**	Gas well-to-tank Electricity T&D losses Electricity well-to-tank Business travel well-to-tank Electric vehicle T&D losses	**7** **15**
		Waste	**0**
		Business travel	**61.67**
		Employee commuting	**37.19**
		Downstream transportation and distribution	**-**

	120.86		
Total Emissions	**213.16**		

The figure for employee commuting has been estimated using the Office for National Statistics annual national travel survey , applying an 85% reduction to reflect changes in working patterns with most staff remote working and working from the office being a choice for the workforce.

Emissions reduction targets

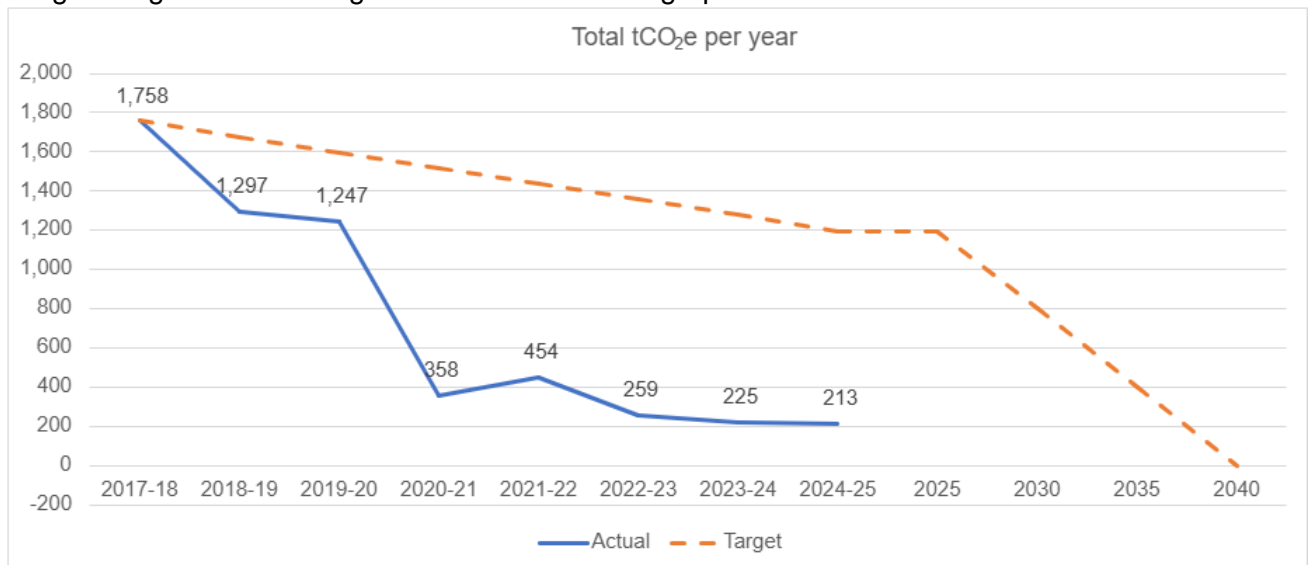As part of the Greener NHS commitment the CSU are working towards:

- The NHS target of net-zero carbon by 2040 for the emissions we control.

- For emissions the NHS influences (the NHS Footprint Plus), we aim to be net-zero carbon by 2045.

In line with the Greening Government Commitments, we are working towards meeting or exceeding the following targets:

- The Government Fleet Commitment for 25% of the Government car fleet to be ultra-low emission vehicle (ULEV) by 31 December 2022, and 100% of the Government car and van fleet to be fully zero emission at the tailpipe by 31 December 2027. We currently have 94% of our NHS Fleet, classed as ULEV, which has exceeded this target.
- Before 2050 and measured from a 2017/18 baseline:

  o Reducing the distance travelled of domestic business flights by at least 20% from a 2017/18 baseline and report the distance travelled by international business flights, with a view to better understanding and reducing related emissions where possible.

- o   Reducing water use by 8%
- o   Reducing the overall amount of waste generated by 15%
- o   Reduce the amount of waste going to landfill to less than 5% of overall waste.
- o   Increase the proportion of waste which is recycled to at least 70% of overall waste.
- o   Remove consumer single use plastic from our office estate.
- o   Report on the introduction and implementation of reuse schemes.
- o   Reduce paper use by at least 50%.
- o   100% of ICT waste to be diverted from landfill.

Progress against these targets can be seen in the graph below:

Total tCO$_2$e per year

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2017/18 baseline.

Since 2017/18, The CSU have been working on the following activity with its landlords, facilities management providers and other partners to improve its Carbon Reduction:

- •   Move to 100% renewable electricity.
- •   Roll out LED lighting across our corporate estate.
- •   Reducing our buildings and Office footprint where it is underutilised.
- •   Increase the use of smart meters, solar technology and smart thermostats and controls.
- •   Improve water metering and efficiency.
- •   Increase the provision of electric vehicle charging infrastructure across our estate.
- •   Increase the use of on-site dry-mixed recycling facilities and reducing the reliance on off-site waste management.
- •   Offer surplus office furniture, fixtures and fixtures for reuse or recycling.
- •   Supporting a hybrid model of working to reduce business and commuter travel.
- •   Promoting active and sustainable travel through our cycle scheme.

- In line with the NHS People Plan, considering how staff can be offered flexibility in their working patterns and supported to choose sustainable methods of transport for their commute.
- Using technology to prioritise a 'virtual-first' approach to meetings to reduce business travel.
- Increasing the use of cloud storage and decommissioning server rooms.
- Swapping our multi-functional devices for smaller printers across the estate encouraging the move to digital.

The carbon emission reduction achieved by these schemes equated to 1545 tCO_2e, an 100% reduction against the 2017/18 baseline figures in 204/2025.

In the future we hope to implement further measures and are developing an action plan outlining these. This action plan will form part of the CSU Green Plan and will include:

- Updating our travel policies so that they require lower carbon options to be considered first.

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard[1] and uses the appropriate Government emission conversion factors for greenhouse gas company reporting[2].

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[3].

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

Signed on behalf of the Supplier:

Louise Newcombe
Deputy Managing Director

Date: 10 July 2025

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[1] https://ghgprotocol.org/corporate-standard
[2] https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting [3] https://ghgprotocol.org/standards/scope-3-standard