

UHBW Carbon Reduction Plan

Publication date: July 2024

Commitment to achieving Net Zero

UHBW are committed to achieving Net Zero emissions by 2030 across its scope 1, 2 and 3 emissions.

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 therefore a reference point against which emissions reduction can be measured.

Baseline Year: 2019/20	
Additional Details relating to baseline emissions calculations	
<p>In April 2020, University Hospitals Bristol NHS Foundation Trust and Weston Area Health NHS Trust merged to form University Hospitals Bristol and Weston NHS Foundation Trust. 2019/20 has been chosen as the baseline to match the baseline of the rest of the Bristol, North Somerset and South Gloucestershire Integrated Care System (ICS). All partners within the ICS are working towards to the same net zero carbon target.</p> <p>The Trust aligns its reporting boundaries and accounting methodologies with those of NHS England.</p> <p>As an NHS Trust, our scope 1 emissions include those emitted from the use of anaesthetic gases.</p> <p>Scope 3 data includes a cradle-gate analysis carbon footprint calculation of our supply chain to produce the emissions from our purchased goods and services. We are therefore unable to separate from this the specific emissions that come from upstream transport and distribution but they are included within the purchased goods and services data listed below.</p> <p>The Trust does not sell or transport any products. Therefore, the downstream transport and distribution emission category is not relevant to us.</p> <p>Business travel emissions were not calculated until 2022/23. The data for this scope 3 subset is therefore from 2022/23 not 2019/20.</p> <p>Our business travel emissions for public transport and flights are calculated based on cost. We recognise that this is not best practice but have no other means at present to calculate these emissions.</p>	
Emissions	Total (tCO ₂ e)
Scope 1	12,772
Scope 2	6,684
Scope 3 including purchased goods and services, waste, business travel, employee commuting	117,187
Total Emissions	136,643

Current Emissions Reporting

Please see notes in the baseline year for data coverage.	
Reporting Year: 2023/24	
Emissions	Total (tCO ₂ e)

Scope 1	19,470
Scope 2	1,228
Scope 3 including purchased goods and services, waste, business travel and employee commuting	141, 688
Total Emissions	162,386

Emissions Reduction Targets

The Trust has set a net zero carbon emissions target by 2030 across its scope 1, 2 and 3 sources. This equates to a 90% reduction in emissions over this time.

This target is published as part of our Green Plan which can be accessed from the following link.

[BNSSG-ICS-Green-Plan-2022.pdf \(england.nhs.uk\)](#)

The Green Plan outlines the initiatives, projects and activities we will deliver towards to reach our net zero target.

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and carbon reduction projects have been implemented since our baseline year. These measures will be in effect when performing the contract.

- Upgraded the software and control hardware on the building management system and combined heat and power unit to give greater functionality and a broader range of hardware connectivity, allowing for greater control, zoning and improved data.
- Begun to install volatile gas capture technology for anaesthetic medicines.
- Begun to convert to low-temperature hot water systems and replace steam boilers.
- Updated the procurement process and creating new tools to help stakeholders manage the sustainability impact of the procurement process, embedding the new NHS England net zero commitment requirement into the procurement documents, templates and sign-off process. The net zero commitment ensures all NHS suppliers over the PCR threshold have a publicly available, approved commitment to meet net zero by 2050 or earlier.
- Every tender has a minimum of 10% of the award criteria for social value.
- Carried out waste audits and training to ensure that the correct bins are in place to aid segregation, reducing the amount of waste that is over treated.
- We have agreed clinical waste collections to avoid peak times.
- Introduced a cycle to work scheme open for applications all year round and for an increased value of £4k.
- Bespoke, personal travel plans for staff on their cleaner and active travel options are available.
- Improvements made to our free to use staff, patient and visitor shuttle bus service.
- An owned fleet made up of 50% electric vehicles.

In the future we hope to implement further measures such as;

- Replace all domestic sized boilers with heat pumps.
- Fully remove all nitrous oxide manifolds from our estate.
- Install volatile gas capture technology on 100% of our anaesthetic machines.
- Install more solar PV on site.
- Continued optimisation of the CHP at both Bristol and Weston to recover as much heat as possible from the system.
- Create an ICS wide waste management policy in accordance with revised HTM 07-01 and the NHS Clinical Waste Management Strategy.
- Fully transition our entire owned fleet to electric vehicles.
- Embed sustainable and active travel options in the recruitment process for new staff.

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN06/21 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 GHG Reporting Protocol corporate standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

Scope 1 and scope 3 emissions have been reported in accordance with SECR requirements. Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate value Chain scope 3 standard³.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors.

Signed on behalf of UHBW;



Stuart Walker
Interim Chief Executive



Ingrid Barker
Joint Chair

Date: 22 July 2024

¹ [Corporate Standard | GHG Protocol](#)

² [Government conversion factors for company reporting of greenhouse gas emissions - GOV.UK \(www.gov.uk\)](#)

³ [Government conversion factors for company reporting of greenhouse gas emissions - GOV.UK \(www.gov.uk\)](#)