

Annual Sustainability Report 2020-21



Pictures all submitted by staff to monthly nature and wellbeing calendar competition

 **LOVE LIFE, LOVE** 
BRISTOL & WESTON



INTRODUCTION

Robert Woolley, Chief Executive



The past year has been unlike any other. The continuing impacts and pressures of COVID-19 have remained, whilst major strides have been made nationally to develop the sustainability ambition for the NHS.

As we've reconfigured healthcare services to meet the needs of our communities over the course of the pandemic, we've experienced both sustainability opportunities and challenges, some of which are reflected within this year's Annual Sustainability report.

The COVID-19 pandemic has exposed and exacerbated health inequalities, with disproportionate effects on disadvantaged communities. The effects of climate change will similarly affect and disrupt our communities, if action is not taken to reduce our carbon emissions and adapt to an already changing climate.

Demands on both frontline and support services staff have been extraordinary. We have worked flexibly, collaboratively and at pace, all of which will be needed for a modern, sustainable healthcare service; however, the ability of staff to consider and reduce the environmental impact of the services they deliver has been affected. Due to the ongoing pressures on staff, Employee Health and Wellbeing has been a major focus for the Trust and this has been reflected within our sustainability programme.

We aim to be one of the most sustainable healthcare providers in the world. Since declaring a climate emergency we have made progress, but there are many opportunities to do things in better, smarter and more effectively – for the good of patients, staff and our communities in Bristol and Weston.



2020-21 Highlights

Awarded decarbonisation funding £17million

Increased cycle capacity to over 200 bike spaces

Introduced recycling coffee cups, bread bags, crisp packets, metals and pallets

Biodiversity surveys completed for Bristol and Weston sites

Installed over 5500 LED light fittings

Reduced greenhouse gas emissions from anaesthetics equivalent to 50 cars off the road

Recruited 32 Healthcare advocates

New Combined Heat & Power operational
80% reduction in grid electricity imported

8 new electric bikes

Reduced single use plastic:
Straws 96%
Cups 91%
Lids 75%
Plates 82%

Procurement reviewed against sustainability standard ISO20400

Improved 4 outdoor spaces for wellbeing and nature

Set up 5 sustainability workstreams

Solar panels generated 46,260 KWh of electricity

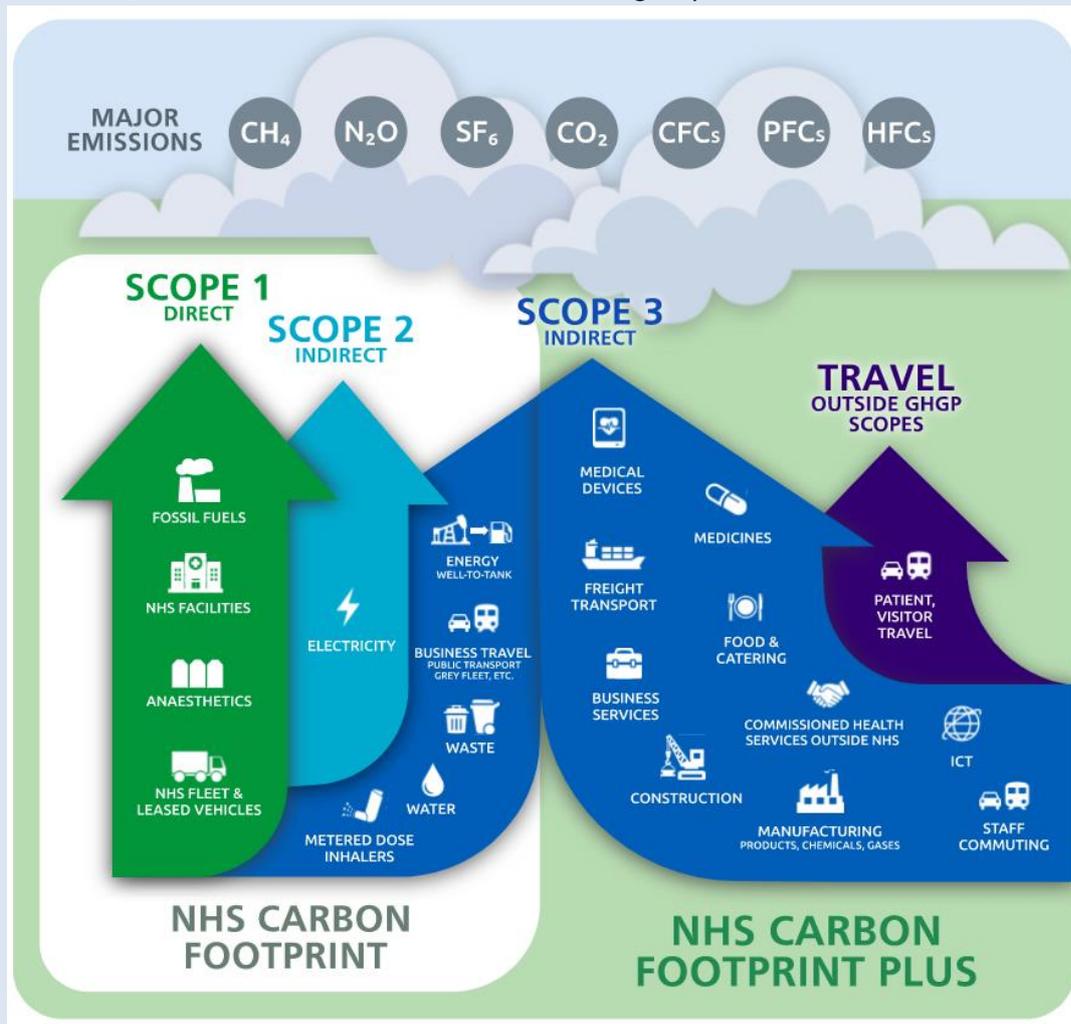
Sustainability Team increased to 12 staff, plus Transport Team of 22

Increased fleet to 7 electric vans

Switch from disposable surgical hats to washable. saved 25,000 hats per year

Goals

In October 2020 NHS England and NHS Improvement released the Delivering a 'Net Zero' National Health Service report outlining headline targets to reduce system wide carbon emissions within our direct control (NHS Carbon Footprint) to net zero by 2040, and wider indirect carbon emissions including the supply chain (NHS Carbon Footprint Plus) by 2045, with interim 80% reduction targets by 2028-2032 and 2036-39 respectively. These are the most ambitious targets of any healthcare system in the world and we have a collective responsibility to address the impact of the sector, and address the climate and health emergency.



The Delivering a Net Zero NHS report provides us with a stronger mandate to accelerate the required changes to Trust culture and infrastructure and to deliver against our ambitious commitments under the Bristol One City plan and contribute to the UN Sustainable Development Goals

A regional Greener NHS programme has now been established, and we are encompassing the aims of this programme within our wider sustainability strategy.

Whilst we must focus on our core delivery of health services (across 10 sites, with over 13,000 staff serving a core population of 500,000 people with an annual turnover nearing £1bn) we must also consider our wider influence on supply chains and society including the influence that can be achieved in supporting individuals, patients and community to support their health through healthy lifestyles and choices



- The Trust is an Anchor organisation in Bristol - what we do makes an impact. How we manage our buildings, activities and supply chains matters.
- We are building sustainability into all our business and operating planning.
- We are committed to and actively contributing to delivering Bristol's One City Plan including achieving carbon neutrality by 2030.
- We are committed to contributing to all 17 of the UN Sustainable Development Goals by 2025.

SUSTAINABLE DEVELOPMENT GOALS



PROGRESS IN 2020-21

Assessing Performance

Our Sustainable Development Strategy covers a comprehensive set of targets developed from the NHS's own exemplar sustainability mapping tool known as the Sustainable Development Assessment Tool (SDAT). This report uses the SDAT to measure our performance over time across a broad range of sustainable areas, as well as providing an update from the members of the sustainability team.

Sustainable Development Assessment Tool (SDAT)

Area	2018-19	2019-20	2020-21
Asset Management and Utilities	70%	80%	86%
Travel and Logistics	49%	58%	71%
Adaption	27%	40%	53%
Capital Projects	44%	52%	63%
Green Space & Biodiversity	33%	41%	46%
Sustainable Care Models	41%	41%	44%
Our People	66%	69%	69%
Sustainable use of Resources	32%	38%	38%
Corporate Approach	40%	55%	60%
Carbon/GHGs	41%	51%	59%
Overall Score	44%	53%	59%

SDAT Score Against 2025 70% Target



Carbon Neutral Work Stream

Target – We aim to be carbon neutral in all our activities by 2030.

Ned Maynard, Senior Energy and Sustainability Manager



The last year has seen work towards our 2030 carbon neutral objective really kick off in a big way. Most notably the Trust applied for and was awarded £17m for a range of decarbonisation projects across Bristol and Weston via Salix Finance. At Bristol we are currently half way through the upgrade of our district heating system which will lower emissions in the short term and serve as a prerequisite for further emissions reductions as we move through the 2020s.

We've also seen progress separately to the Salix works, particularly on Anaesthetic Gases, some of which have a significant greenhouse gas impact. We have shut down the BRI Nitrous Oxide manifold system. We are still supplying Nitrous to the theatres, but have removed the leaking and wasteful piped network system which should result in emission reductions equivalent to taking 50 cars off the road.

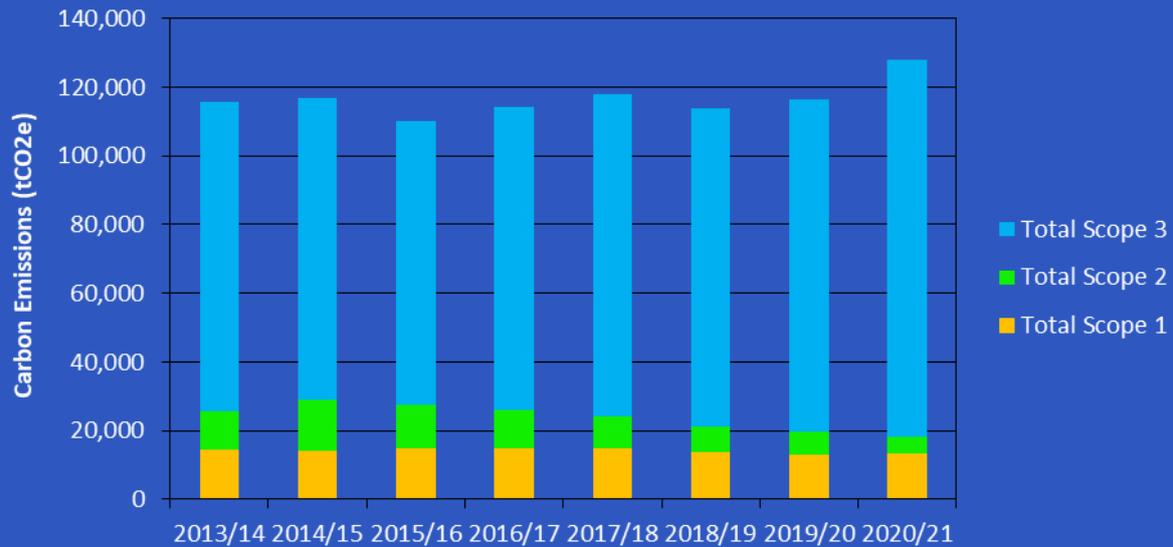
Organisation Carbon Footprint by Operating Expenditure (gCO₂e/£)



The above graph shows that the intensity of our emissions has reduced, as total emissions have stayed the same, yet we've spent more capital delivering services. By this measure, we're on track to decarbonise in line with the Climate Change Act and Bristol One City Plan.

Unfortunately when considering total emissions data, we've not seen a reduction. The below graph shows total Scope 2 (electricity) is slowly decarbonising, driven by wider changes from National Grid. However, total Scope 1 (emissions from direct operations) and total Scope 3 (emissions from our supply chain) are not reducing over time. 2020/21 should hopefully be the peak year for Trust emissions, as we begin to see the benefits of increased investment over the past 12 months.

Organisation Total Carbon Footprint (tCO₂e)



Our plans for next year are to finish off the Salix schemes and move ahead with the next phase of the journey – lowering distribution temperatures. We’re also looking to expand the success of the BRI manifold project by removing all anaesthetics manifold systems from the Trust, and we’ll be improving the efficiency of our building control strategies with our upgraded building management systems.

Joel Kirby, Energy and Sustainability Manager



Of the £17m Salix funding, £2.1m has been allocated to Weston General Hospital to cover a range of schemes including;

- Heating system optimisation works
- Building Management System (BMS) upgrade
- LED lighting rollout
- 140KW PV installation across 2 of the hospitals buildings
- Installation of the Trust’s first air-source heat pump
- Metering throughout
- De-gassing of the hospitals cooking equipment

Initial testing of the BMS upgrade suggests huge potential savings of up to 25% of our heat load in summer. Overall the schemes are estimated to reduce the carbon footprint of the hospital over 350 tCO₂e per year and align Weston General to the Trust’s overall heat decarbonisation road map.

In addition to these projects, we’ve been continuing to work across the hospital to reduce our consumption of water, gas and electricity. We’re currently working closely with Camfil to trial energy efficient filters on our air handling units, with initial trials achieving between 5-20% saving in energy usage from reduced resistance across the units. We’re also actively working to reduce our water usage with Elite-Mech who are installing new Airgap valves on all of our toilet cisterns. These work to reduce wastage by delaying the refill following a flush. The project is projected to save in the region of 3.5 million litres of water each year.

Sustainable Procurement Work Stream (Supply Chain)

Target – We aim to help our supply chain achieve carbon neutrality by 2030.

Rachael Pemberton, Bristol and Weston Purchasing Consortium



Our Sustainable Procurement work stream will be pushing for the sustainability of our supply chain going forward. Given the level of expenditure and buying power of the Trust, we have a huge opportunity to influence our supply chain. We want to work with all our suppliers engaging them in how they can support us in reducing our carbon emissions.

Before 2020, sustainability did not play a formal role in our procurement of goods and services. From 2020, all schemes over £1m in value will now be subject to a Sustainable Impact Assessment (SIA), with targets for 100% of business cases to include an SIA by 2025.

Bristol and Weston Purchasing Consortium are working with UHBW and North Bristol Trust to develop a sustainable procurement strategy to embed sustainability into our procurement processes and leverage the very significant influenceable spend as a force for good to bring our supply chains into delivering net zero carbon targets.

Amelia Pickard, Consultant Paediatric Anaesthetist



Emissions from our supply chain contribute the majority of our total carbon footprint, around 85%. Every piece of equipment (clinical and non-clinical) and medicine that we purchase and use increases our carbon emissions. The Covid-19 pandemic has also shown clearly the fragility of the supply chain, and future procurement strategies must take this into account.

Given this huge impact we have to look in detail at the products that we are bringing into our hospitals and find ways to reduce their impact. We are doing this in a couple of ways:

EcoQuip Plus – Zero-waste theatres is a collaborative innovation project which involves undertaking the procurement process in a way that stimulates the supply chain to invest in developing better goods and services to meet our needs. Operating theatres use high volumes of 'kit' and were therefore chosen as our target area.

Progress has been a little slower than anticipated due to the pandemic but is now moving forward well and a new project board has been set up to ensure that we have all the relevant stakeholders involved.

We have developed a Statement of Demand which demonstrates our requirement for solutions and alternative products that will support our transition to zero-waste theatres.

This statement has received overwhelming support from NHS Trusts and healthcare networks across the country who have put their names to the document demonstrating their agreement with this need. An event hosted in collaboration with Healthcare without Harm demonstrated that there is a significant level of interest within the supply chain.

The project is now in the market engagement phase and we are receiving feedback from our suppliers prior to the formal pro-innovation tendering process.

Individual products - We are also looking at individual single-use products that we buy, identifying re-usable alternatives and writing business cases to support their introduction into the Trust.

Of course unless we really understand our carbon footprint in this area we can't measure our improvements. Carbon foot-printing of products is incredibly complex and only one or two of our suppliers are currently doing this for their own products. We are therefore working in partnership with Eunomia Consultancy who will be performing a carbon footprint assessment of our supply chain. This will allow us to identify further areas of focus and demonstrate improvement over time.

Currently we focus almost exclusively on cost when purchasing products. Switching to incorporate wider value criteria requires our staff to understand the aims of sustainable procurement, so we are collaborating with the Institute of Environmental Management and Assessment (IEMA) to set-up and deliver certified training on the principles of sustainability to our procurement staff.

The challenges in this area are significant but given the level of national support for our objectives we are confident that the supply chain will move with us. Sustainable procurement must become business as usual for the Trust and to that end we will continue to engage with staff moving forward to disseminate knowledge but also to use staff expertise to identify areas of opportunity.

Morad Toussaad, Quality & Regulatory Affairs Manager for Clinical Engineering (MEMO)



As scientists and engineers in healthcare managing medical devices, we all have a responsibility to tackle the reduction of our carbon footprint to support our NHS Long term goals for the environment.

With 6 years consecutive involvement in the Trust engagement programme, Green Impact, Clinical Engineering (MEMO) has contributed to the Trust environmental targets via the sustainable procurement, maintenance and end-of-life management of medical devices.

We are currently reviewing our Trust medical devices management policy to streamline our processes, and so we have an opportunity to embed sustainable principles into this. One of the key aspects we are considering is sustainability impact assessments on all major medical device procurement activities, along with staff training and engagement.

With an average of 4,500 assets procured yearly, dealing with over 250 suppliers, our challenge remains a stronger engagement with our supply chain and manufacturers of medical devices to bring innovative solutions in reducing our carbon emissions by 2030.

Clean Air Work Stream (Transportation)

Target - We aim to becoming an excellent rated Clean Air Hospital by 2025.

Stewart Cundy, Senior Sustainable Transport and Travel Manager

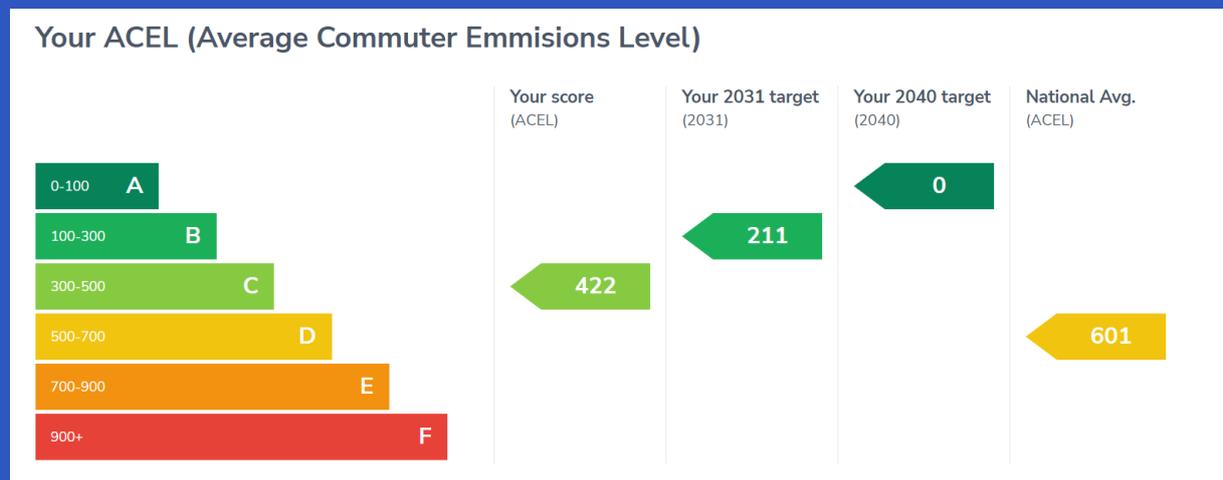


28th September 2020 was an exciting date for me. It was the date that after 22 years working for the Facilities department I transferred to Estates and the Sustainability Team. This allowed me to have more influence over implementing sustainable travel alternatives for Bristol and Weston hospitals.

Since my appointment we've invested a significant amount of funding to improve the cycle facilities for staff. Trust HQ has new two tier cycle stands with an increased the capacity for over 200 bikes. A new dedicated cycle centre was installed at Bristol Haematology & Oncology Centre. Weston has a new cycle shelter with showers and security CCTV has been rolled out across the Trust. There is also a new cycle lane on Marlborough Street that supports safe movement of bikes around our Bristol city centre hospitals.

We have consulted with staff car parking arrangements, and how we can reduce our traffic into the city centre. The hospital bus shuttle service has been enhanced to operate more frequently and later into the evening. We've also electrified our Trust vehicle fleet with 7 new electric vehicles purchased over in the last year.

The Trust has also entered into a partnership with Mobilityways which will enable the trust to capture data from how the staff travel to work and will give the trust an benchmark ACEL (average commuter emissions level) score.



The continuation of free car parking for NHS staff due to Covid-19 continues to be a challenge for sustainable travel. It is estimated this has put levels of staff that drive to work in a single occupancy vehicle back to 2002 levels. The next year will be challenging as Summer 2022 will see the introduction of the Clean Air Zone in Bristol and new car parking arrangements will be



introduced so that more staff that need to are able to park on site. The Trust will seek to support and encourage all the staff that have been driving to work to switch to more sustainable alternatives.

Dave Wilson, Green Travel & Car Parking Coordinator



Within the Clean Air Work Stream we have the sustainable travel and car parking team which I love being part of. We work with industry partners like Bristol City Council, Cabot Circus, The Galleries, First & Metro Bus and Great Western Rail to get our staff the best possible deals on safe and sustainable travel options. By the end of the year we will have 4 additional members to support staff with personal travel to work plans and administer the cycle to work and plans for an electric car salary sacrifice scheme.

The last cycle to work scheme we ran from April to June had 104 successful applicants who requested to use £123,385 for their purchases. To promote the scheme and greater adoption of cycling we ran 'Cycle Days' for all UHBW staff at the Bristol Trust HQ where staff could get their cycles security marked by the police and get a free service from 'Dr Bike'.

I really enjoyed seeing the ongoing success of the cycle to work scheme over the last year as it continues to grow in popularity with staff who wish to commute to work in a sustainable way. Looking ahead we plan to make people even more aware of what we can all do to help the local environment as well as promote health & fitness on their daily commute!



Waste Management Work Stream Target - We aim to send zero waste to landfill by 2025.

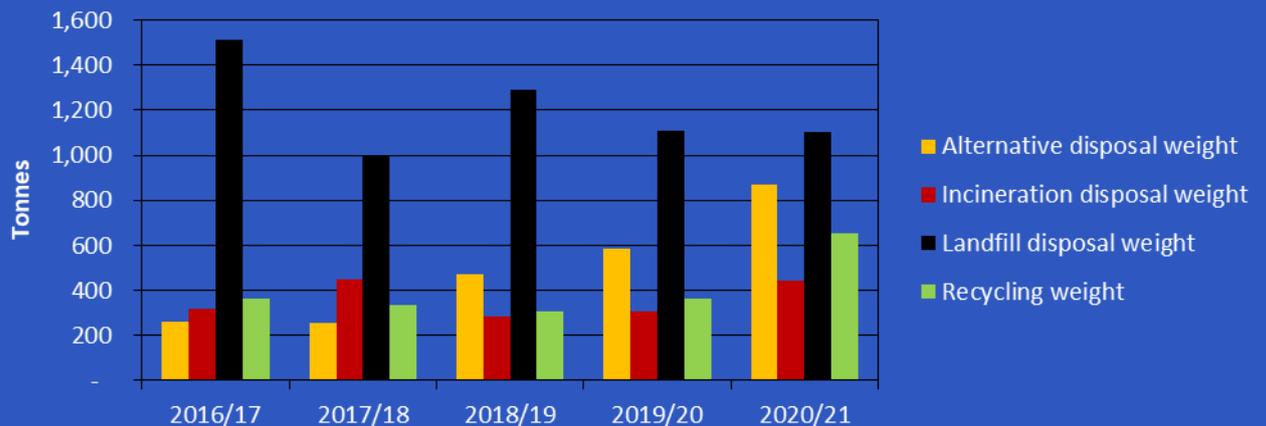
Joaquim Duarte, Senior Sustainable Waste Manager



As well managing extraordinary levels of waste due to COVID-19 We've been busy developing new approaches to waste, such as the launch of coffee cup recycling stations in cafes across Bristol and Weston. We can also now recycle bread bags and crisp packets from our catering teams, and re-useable metal sharps from our clinical teams in theatres, day care, Endoscopy and Podiatry.

To reduce waste we have set up a collaboration initiative with the University of the West of England to supply out of date clinical items for use in their training facilities that would otherwise have gone to landfill.

Waste Breakdown



Looking at the data for the last year we can see that recycling has increased, but landfill still remains our biggest waste stream.

The biggest development in waste management at the Trust has been through our Ecoquip+ project in collaboration with North Bristol NHS Trust. The project is supporting us in developing the innovative sustainable solutions and innovative procurement needed across the waste management sector in our hospitals and beyond.

Our focus going forward is to award waste management contracts to suppliers who will support our sustainable waste vision. We are exploring the possibilities for sustainable methods of disposal for food waste and face masks, as well as implementing an electronic system for furniture re-use alongside e-learning waste training packages.

Sustainable Care Models Work Stream

Sam Willitts, Head of Sustainability



Reducing the carbon impact of our care pathways is essential in achieving our 2030 carbon reduction target. Prevention of illness and avoiding the need for treatment gives us the best prospect of reducing environmental impacts.

Working across the health system – the Healthier Together Health and Sustainability Group, Digital work stream and Trust projects working on telemedicine, outpatients and smarter working are improving services, delivering care closer to home and reducing our environmental impact.

We are introducing sustainability impact assessments into decision making so business cases and operating plans to ensure they consider the environmental, social and financial impacts.

Joint working with our Transformation Team has enabled us to integrate sustainability into our quality improvement programme. The Transformation Team are capturing the sustainability improvements being delivered through their work.

Our experience with managing the COVID-19 crisis has shown how we can effectively provide remote consultations. Our capabilities for flexible and remote working have been developed considerably with staff wellbeing benefits. This has also opened up the possibilities of repurposing spaces in our hospitals.



Communications & Engagement Work Stream

Target – We aim to engage as many people as possible on sustainability.

Alexandra Heelis, Sustainability Officer



Unfortunately due to Covid-19 our normally annual Green Impact programme has been placed on hold. That hasn't however stopped our works on communications and engagement!

Since April 2020 43 members of staff have signed up to the Sustainability@UHBW newsletter. The monthly edition includes updates on sustainable healthcare as well as local, national and even global sustainability initiatives. The mailing list currently stands at 430.

The Sustainability Team launched a new Sustainable Healthcare Advocate role in 2021. This voluntary role is open to all staff members to help raise awareness, increase action and spread key messages regarding sustainable healthcare throughout the Trust. The role encourages and enables cross-departmental staff networking and collaboration as well as the opportunity to become directly involved with the work of the Sustainability Team. We have so far recruited 32 Sustainable Healthcare Advocates across all 8 Divisions within the Trust, and hope to recruit many more in the future. You can read the role description on the Sustainability@UHBW Connect pages.

In partnership with Bristol based charity, City To Sea, we have worked to raise awareness of the plastic content and correct disposal of menstrual products; the 5th most common item found on European beaches, ahead of single-use cups, cutlery and straws! A workshop was held for staff within our Women's and Children's Division about plastic-free and reusable menstrual products to raise awareness amongst colleagues and to pass on this knowledge to patients. We hope to be able to offer similar workshops in the future to staff across the Trust.

Following on from this work, we have collaborated with colleagues in Estates and in Facilities to tackle the issue of blocked drains at the Trust. In the 2020-2021 financial year the Trust spent over £160,000 unblocking drains. The main culprits were hand towels, sanitary items and rubbish. We have started a communication campaign, which will fully launch in Unblocktober (a national campaign to improve the health of our drains, sewers, watercourses and seas) raising awareness that the only items that should be disposed of down our toilets are toilet paper, poo and pee! Our work so far has already seen a saving of £12,361 in the first quarter of 2021-2022.



Arts and Sustainability

Anna Farthing, Arts Programme Director



The Arts + Culture team have supported the development and delivery of the Trust's sustainability objectives in a number of ways. Having come from the arts sector with fixed budgets and immovable deadlines, I am accustomed to working efficiently, and making the very best use of existing resources, including reciprocal relationships with civic, cultural and academic organisations. Other team members have previously worked with organisations with sustainable objectives such as Scrapstore and Bristol Green Capital.

Creative approaches and design thinking: reviewing design proposals and questioning where value can be added to best serve existing and future needs. Examples include addition of bespoke artwork during a refurbishment (BHOC) suggestion of replacement windows to incorporate energy efficiency into a scheme (Dermatology) improving the aesthetic impact of spaces that have no windows with the addition of landscape photographs taken by staff (numerous Trust wide). Also suggesting cost free design interventions to make working areas more efficient, moving existing furniture and making small changes to create more effective work spaces.

Boredom Buster: patient activity resource printed on paper. Thematic content includes biophilia, NHS Forests, landscape design, holistic use of green space, upcycling and recycling. Resource produced by UHBW and shared with 42 other NHS Trusts. Giving patients meaningful ways of staying occupied aids recovery, improves discharge rates and saves staff time.

Outdoor realm: making better use of outdoor realm to maximise useable space on the hospital estate, for people, for planet, for pollinators, for the circular economy. Encouraging staff to take breaks outside relieves pressure on staff rooms and benefits health and wellbeing.

- Creation of BHOC Roof Garden for staff wellbeing, transformation of a redundant space, contributing to recruitment and retention.
- Installation of Wellbeing Garden in BHI Courtyard. All materials re-used from London Nightingale disposal (wall planting, pots, furniture) and leftover building materials from our own sites (slabs, soil, hardcore). The project was delivered by professional contractors who volunteered their time.
- Installation of benches at Weston General Hospital, all commissioned from the Somerset Wood Recycling project and installed by Wilmott Dixon, who donated leftover and remnant building materials to the project.
- Improvement to soft landscape planting at front of BRI to increase biodiversity and reduce maintenance

Circular economy. Refurbishment of offices in Dolphin House using all recycled materials: desks, chairs and cabinets from CollectEco, IT equipment and telephones recycled from internal sources.

Community engagement: working with local craft groups to supply laundry bags for staff made from pillowcases and tea towels, and gift cards for patients unable to receive visitors. Builds reciprocal communities of care.

Weston Arts + Health Week has attracted funding from BNSSG Green Social Prescribing to investigate and report on barriers to engagement with outdoor physical activity among people who attend festival events in the parks and public spaces neighbouring the hospital. The report will inform future partnership working with Alliance Homes, Weston College, the Healthy Living Centre, and North Somerset Council.

Internally, we have partnered on projects to encourage active travel, including initial design planning for a combined walking, cycling, bus and pollinator stop. Look out for the Buzz Stop coming soon.

Collaboration

We are already working hand-in-hand with our North Bristol NHS Trust counterparts to harness the more than 20,000 people in our combined staff. We are active in the development of our Healthier Together Health and Sustainability Group working across the system. This collaboration will be extended as we move to an Integrated Care System (ICS) that will help the NHS operate more joined up and collaboratively rather than as individual Trusts.

Forming an ICS will allow for more efficient allocation of resources to take action on future areas including:

- single use plastics;
- recycling and disposal of waste;
- greenhouse gas emissions of anaesthetics;
- energy use for heating and lighting;
- energy from sustainable sources;
- water use;
- vehicle emissions;
- Digital innovation;
- sustainable food sourcing



Climate Change Adaption

The climate is changing. The UK is already seeing the impacts of climate change which affect the health of our population, from higher peak temperatures to more extreme weather events. How we cool our buildings, manage rain water and provide secure roofing and cladding in higher than average winds must be considered. Water scarcity will also become a more drastic issue as we move through the 21st century. Our approach will be informed by national guidance and partners across our region.

Beyond our estate, we need to support our communities in becoming resilient and ensuring our supply chains are able to cope with impacts of climate change.

To plan for the future in this regard, we have adopted the Healthier Together Climate Change Adaption Plan 2018-23 that we played an active role in creating. We will be undertaking climate risk assessments to ensure all our services are resilient and prepared for the future.

The logo features the text "Healthier Together" in white on a teal-to-green gradient bar. To the right of the bar is a stylized green map outline of the region.

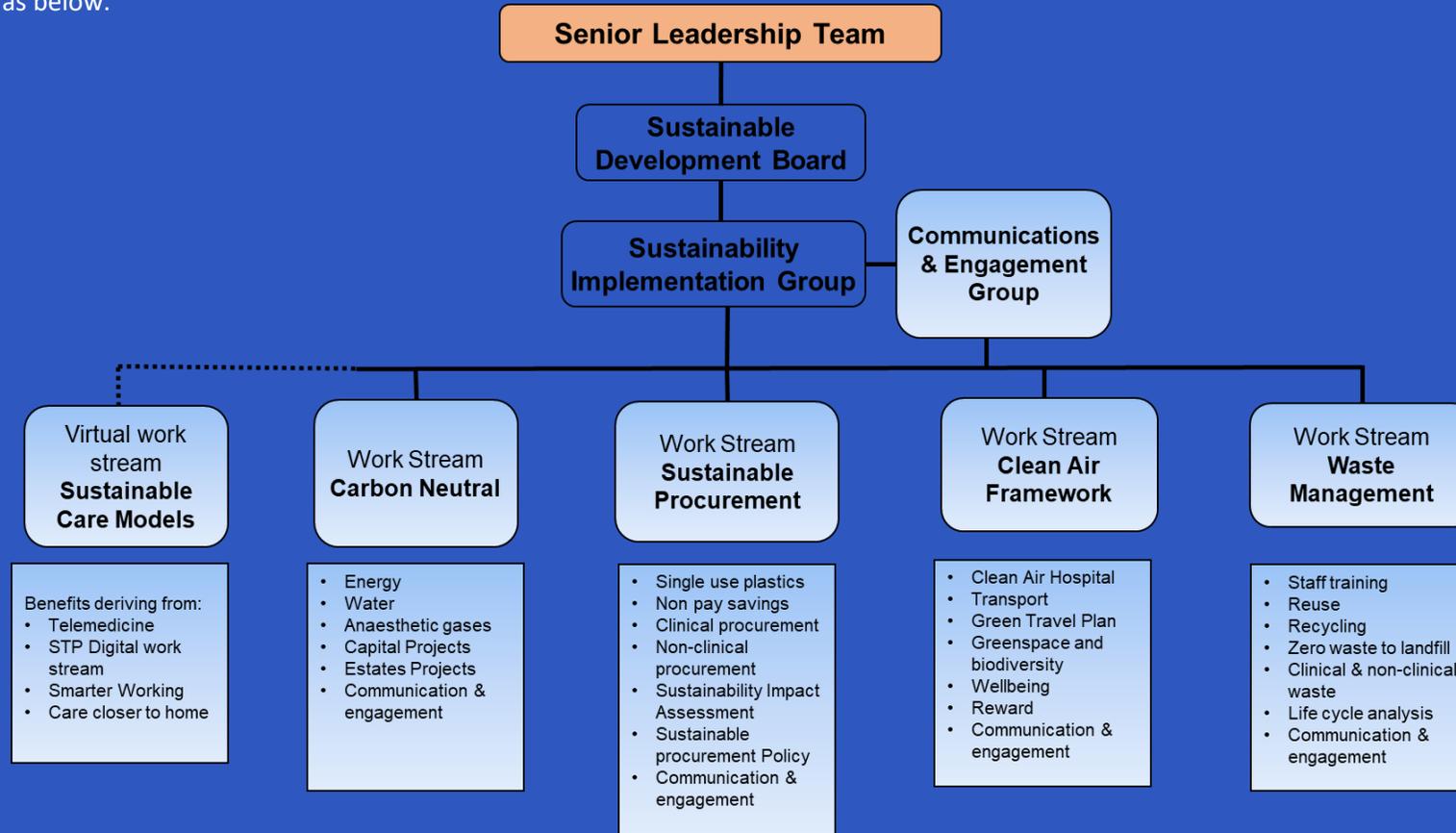
Healthier Together

Improving health and care in Bristol,
North Somerset and South Gloucestershire



Keeping Us On Track

Sustainability Governance Structure - We have a number of work streams, each of these reports into a governance structure overseen by the senior leadership team as below.



We have developed Key Performance Indicators (KPIs) across all our workstreams based on our Sustainable Development Strategy objectives. These are managed by our sustainability team to inform quarterly Board updates and monthly sustainability management updates. Further detail can be found in Appendix 2 Performance Tracker.



SUMMARY

The Greener NHS campaign was launched to tackle the climate 'health emergency' in January 2020. In its Net Zero Strategy, published in October 2020, the NHS set out a vision to become the world's first net zero carbon health service and respond to climate change, improving health now and for future generations. The plan commits the NHS to ambitious targets for carbon emission reduction

Whilst this report reflects on the great work undertaken by the Trust and our people to improve our impact on the environment and to also encourage sensible uses of natural resources, the challenge ahead remains considerable. The NHS is responsible for 4-5% of the UK's total carbon footprint, whilst the UK Government has now committed to net-zero by 2050. The NHS has responded to this challenge in England by committing to a 2045 target. We as a Trust have committed to our own target of 2030, aligning with our partners in Bristol's One City Plan.

As well as reducing our emissions under our direct control, we will build on the national commitment that before the end of the decade, the NHS will no longer purchase from suppliers that do not meet or exceed the NHS commitment to net zero.

Whilst carbon is a major consideration for sustainability, as this update shows, it is only one part of sustainable development. so in addition to the net zero target and in line with the greener NHS programme we will also focus on:

- Improving health and patient care and reducing health inequalities
- Building a more climate resilient healthcare system
- Becoming a clean air hospital
- Achieving zero waste to landfill by 2025 and minimise all waste by 2030

Since the last update, the Trust has continued to work towards being the most sustainable healthcare provider in England. We have also invested in our infrastructure, from our new CHP to improved cycling facilities. We have strengthened our sustainability team, established a Sustainable Development Board to oversee delivery of the many stringent targets we have set for ourselves within the wider NHS SDAT framework and ensure we are embedding sustainability in our decision making.

In this COP26 year of crucial decision making for our environment we recognise the challenges ahead and that there will be difficult decisions for the Trust. We will continue to work with our staff and other organisations to develop the innovative solutions required to overcome the challenges and move us towards a more sustainable healthcare system.



Your Trust needs you!

How you can get involved with the Trust

Becoming a member of University Hospitals Bristol and Weston NHS Foundation Trust is a great way to support, find out more, or get involved in the work of our hospitals.

It's free to join and how much you choose to get involved is up to you. You can:

- Have a say in how we develop our services
- Come along to our health matters events
- Receive regular e-news updates
- Stand as a governor
- Receive discounts from many brands



You can join online at:

www.uhbw.nhs.uk/p/working-with-us/become-a-member-of-our-trust

For more information
please contact the
membership office:

Telephone: (0117) 342 3764

Email: foundationtrust@uhbw.nhs.uk

Contact the Sustainability Team

Email: sustainability@uhbw.nhs.uk

Appendix 1

Carbon footprint (tCO2e)

Area	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
Grand Total (All Scopes)	116,847	110,250	114,321	118,083	113,973	116,612	127,799
Total Scope 1	13,922	15,011	14,675	14,786	13,743	13,107	13,366
Gas	10,126	11,159	11,169	11,520	10,438	10,411	11,721
Oil	304	322	233	195	198	306	181
LPG							2
Diesel	0	0	0	40	42	41	10
Anaesthetic Gases	3,493	3,531	3,274	3,031	3,065	2,350	1,452
Total Scope 2	15,133	12,587	11,400	9,333	7,413	6,684	4,748
Grid Electricity	15,133	12,587	11,400	9,333	0	0	0
REGO Electricity	0	0	0	0	7,413	6,684	4,748
Total Scope 3	87,792	82,652	88,246	93,965	92,817	96,821	109,685
Gas (WTT)	1,359	1,502	1,517	1,742	1,611	1,354	1,524
Oil (WTT)	57	61	43	43	37	58	34
LPG (WTT)							0.3
Electricity (Transmission & WTT)	3,829	3,070	2,898	2,500	1,825	1,579	1,064
Diesel (WTT)							2
Travel (Patient and Visitor)	10,294	10,485	10,844	11,377	11,808	11,823	8,876
Travel (Staff Commute)	1,999	2,186	2,252	2,299	2,367	2,471	2,926
Water (Use)	80	81	86	80	77	78	94
Water (Waste Treatment)	149	150	160	147	141	143	174
Waste (Recycling)	7	5	8	7	7	8	14
Waste (Other Recovery)	0	7	6	5	10	13	19
Waste (Incineration)	24	6	7	10	6	7	9
Waste (Landfill)	386	464	693	457	592	509	505
Business services	8,206	8,430	8,897	9,928	9,922	10,461	12,773
Construction	14,013	7,526	9,458	8,037	7,119	7,910	7,910
Food and catering	5,975	6,138	6,478	7,229	7,224	7,617	9,300
Freight transport	3,158	3,244	3,424	3,820	3,818	4,025	4,915
Information and communication technologies	1,243	1,277	1,348	1,504	1,503	1,585	1,935
Manufactured fuels chemicals and gases	3,410	3,503	3,697	4,126	4,123	4,347	5,308
Medical Instruments /equipment	17,532	18,010	19,008	21,211	21,197	22,350	27,290
Other manufactured products	2,918	2,998	3,164	3,530	3,528	3,720	4,542
Other procurement	0	0	0	0	0	0	0
Paper products	2,387	2,452	2,588	2,888	2,886	3,043	3,715
Pharmaceuticals	6,921	7,110	7,504	8,374	8,368	8,823	10,773
Business Travel and fleet	1,968	2,021	2,133	2,380	2,379	2,508	3,063
Commissioned health and social care services	1,876	1,927	2,034	2,269	2,268	2,391	2,920

Appendix 2 Performance Tracker

Performance Tracker
Sustainable Development Strategy 2020-2025

- 1** | Carbon neutral by 2030 - Benchmarked against our operating expenditure.
- 2** | Contributing to all the UN Sustainable Development Goals – Benchmarked by achieving 70% rating in our Sustainable Development Assessment tool by 2025.
- 3** | Cutting air pollution - Benchmarked by achieving excellent rating on the Clean Air Hospital framework by 2025.
- 4** | Resource efficiency – zero waste to landfill by 2025 and reducing our consumption of energy and water.

**University Hospitals
Bristol and Weston**
NHS Foundation Trust

SDS Objectives		KPI Identify	Performance Standard Description	Target Performance	Reporting cycle	2020	2021	Responsibility	Comments
						Septemb	August		
Corporate Approach									
Ensure sustainability is embedded within organisational decision making:	Deliver, monitor and report on sustainability progress, Senior staff, stakeholders and governors are engaged in, and accountable for, delivering our SDS, and policies, procedures, business cases and processes reflect this.	CO1	Sustainable Development Assessment Tool (SDAT) Score	70% by 2025	Annual	53%	59%	Sustainability Implementation Group	Tool due to be replaced
		CO2	Number of Departments with completed SDAT reviews	1 per month	Monthly	Not currently reported	1	Sustainability Implementation Group	W&C SDAT review planned for July
		CO3	Percentage of business cases over £1million with SIA	100%	Monthly	0	2	Deputy Head of Commissioning and Planning	
		CO4	Divisional Operating plans with SIA review and measurable targets	100%	Annual	0	1	Associate Director Strategy and Business Planning	To include in business planning later 2021
		CO5	Annual staff sustainable development awareness survey score	Annual improvement	Annual	Not Currently reported	Not Currently reported	Sustainability Implementation Group	

Capital Projects									
Reduce the environmental impact of building works during design, refurbishment, construction, operation and decommissioning stages:	Embed sustainability and efficiency using smart design and emerging technologies across our improvement works, including refurbishment and new build. Take a whole life cycle approach to projects by scrutinising sustainability in design, construction, commissioning, operation and decommissioning, helping to future-proof our organisation.	CA1	Percentage of capital projects with SIA completed	100%	Monthly	0	2	Associate Director, Capital	
		CA2	Percentage of Estates projects with SIA completed	100%	Monthly	Not currently reported	Not currently reported	Associate Director, Estates	
		CA3	Percentage of new build capital projects achieving BREEAM Excellent	100%	Monthly	Not currently reported	Not currently reported	Associate Director, Capital	To be replaced with NZC standard
		CA4	Percentage of refurbishment capital projects achieving BREEAM Very Good or mitigation actions implemented where BREEAM not applicable	100%	Monthly	Not currently reported	Not currently reported	Associate Director, Capital	To be replaced with NZC standard
Asset Management & Utilities									
Derive 100% of our energy from renewable sources, embed energy and water efficient technologies and practices throughout our Estate and services and deliver year-on-year reductions in consumption:	Accurately measure utilities and reduce consumption to make sure we're getting the best value for money and minimising environmental impact. Embed more efficient practices, new technologies and improve staff awareness to improve utility efficiency across everyday activities and as part of longer-term plans.	AS1	Percentage of electricity from imported renewable sources.	100%	Annual	100%	100%	Energy and Sustainability Manager	
		AS2	Percentage of heat from renewable sources.	100% by 2030	Annual	0	0	Energy and Sustainability Manager	CHP generated is heat is less carbon intensive so an improvement but not renewable
		AS3	Reduction of Electricity Consumption	Reduction on month of previous year	Monthly	-8%	-10%	Energy and Sustainability Manager	
		AS4	Reduction in Non - CHP (HDD adjusted) gas use	Reduction on month of three year rolling average	Monthly	0%	No data	Energy and Sustainability Manager	Boilers compensating for no CHP generated heat
		AS5	Combined Heat and Power Availability	90% running days per month	Monthly	N/A	90%	Energy and Sustainability Manager	Engine removed replacement expected September
		AS6	Reduction of Water Consumption	Reduction on month of previous year	Monthly	-15%	13.70%	Energy and Sustainability Manager	

Sustainable Use of Resources

Work to minimise our use of resources, improve our waste management, and reduce waste production year-on-year:	Meet legal responsibilities to make sure that waste is properly segregated, handled and disposed of. Reduce unnecessary use of resources across all of our organisational activities. Procurement constitutes the largest proportion of our carbon footprint Apply the waste hierarchy, rethinking traditional waste models and working closely with our staff and supply chain, we can move towards a circular economy approach and away from a throwaway culture. Zero waste to landfill	RE1	Procurement supply chain intensity - carbon footprint/operating expenditure	carbon neutral by 2030	Annual	-3%	-7%	Chair of sustainable procurement workstream	currently annual report only
		RE2	Percentage of suppliers engaged with making sustainability improvements	100% by 2025	Annual	Not currently reported	Not currently reported	Chair of sustainable procurement workstream	survey to out
		RE3	Percentage of procurement exercises that have an SIA	100% above EX value	Monthly	Not currently reported	Not currently reported	Chair of sustainable procurement workstream	
		RE4	Number of single use products replaced with reusable alternatives	1 per month	Annual	0	0	Chair of sustainable procurement workstream	
		RE5	Amount assessed of the 15 plastic product groups responsible for 69% estimated overall plastic content goods	1 per month	Monthly	Not currently reported	Not currently reported	sustainable procurement workstream	
		RE6	Incineration - high temp disposal	Reduction on previous month	Monthly	15%	18%	Sustainable Waste Manager	
		RE7	Other recovery Alternative Treatment EFW	Reduction on previous month	Monthly	41%	19%	Sustainable Waste Manager	
		RE8	Offensive Waste	Reduction on previous month	Monthly		14%	Sustainable Waste Manager	
		RE9	Recycling	Increase on previous month	Monthly	62%	24%	Sustainable Waste Manager	
			Landfill	Reduction on previous month zero by 2025	Monthly	30%	33%	Sustainable Waste Manager	
		RE10	Internal reuse of durable goods	value of goods reused £	Monthly		£3,250.00	Sustainable Waste Manager	
RE11	External reuse of durable goods	value of goods reused £	Monthly	Not currently reported	Not currently reported	Sustainable Waste Manager			

Carbon/GHGs									
Carbon neutral by 2030	Engage staff, suppliers and contractors with our SDS to reduce our carbon footprint. Measure our carbon emissions, identify hotspots and take targeted action to reduce this year-on-year in line with our 2030 carbon neutrality target.	GH1	reduction in carbon footprint from Energy, water, Anaesthetic Gases	carbon neutral by 2030	Annual	-8%	-8%	Head of Sustainability	Currently only annual report
		GH2	reduction in carbon footprint from Waste	carbon neutral by 2030	Annual	-13%	2%	Sustainable Waste Manager	Currently only annual report
		GH3	reduction in carbon footprint from Travel and Transport	carbon neutral by 2030	Annual	1%	-18%	Chair of Trust Clean Air Workstream	Currently only annual report
		GH4	reduction in carbon footprint from procurement broken down by key areas	carbon neutral by 2030	Annual	Not currently reported	Not currently reported	Chair of sustainable procurement workstream	
		GH5	Number of suppliers engaged in reduction in carbon footprint	100% by 2025	Annual	Not currently reported	Not currently reported	BWPC sustainability lead	survey response
Climate Change Adaptation									
Ensure our whole organisation is prepared to deal with the effects of climate change, particularly extreme weather events, and continues to invest in adaptation and mitigation	Assess the impacts of climate change and adapt to mitigate the negative effects of past and future climate-altering actions.	AD1	Reduced risk rating in our climate change risk assessment	Reduction on previous year	Annual	0	0	Head of Sustainability	
	Ensure our infrastructure, services, procurement, etc	AD2	Capital and Estates projects incorporating future climate predictions in design	100%	Monthly	Not currently reported	Not currently reported	Director of Estates and Facilities	included in standard specification

Greenspace and Biodiversity									
Maximise the quality and benefits from our green spaces and reduce biodiversity loss by protecting and enhancing natural assets:	Improve green spaces to maximise benefits for mental and physical wellbeing. Improved air quality, noise reduction, support biodiversity and help combat climate change.	BI1	Value of natural capital	Increase	Annual	Not currently reported	Not currently reported	Chair of Trust Clean Air Workstream	
	By collaborating with partners and local communities we will implement a clear strategy that helps us contribute to local biodiversity and make the best use of available green space	BI2	Increase in area (m2) of our sites improved/managed for biodiversity and staff wellbeing	increase	Annual	Not currently reported	Bio Diversity survey carried out in Bristol and Weston	Chair of Trust Clean Air Workstream	Bio Diversity survey carried out in Bristol and Weston
Sustainable Care Models									
Deliver the best quality of care while being mindful of its social, environmental and financial impact and take a whole systems approach to the way it is delivered:	<p>Improve the environmental sustainability of care pathways, and better integrate healthcare services to improve efficiency.</p> <p>Embrace new and existing digital technologies to reduce the environmental impact of care, prevent ill health and manage long-term health conditions.</p> <p>Work with partners and stakeholders to identify and deliver solutions that reduce the number of hospital visits, such as the provision of treatment closer to home</p>	MO1	Carbon hotspots identified and environmental impact mitigation plan produced for areas such as medical equipment and pharmaceuticals	1 per month	Annual	0	0	Head of Sustainability and BWPC sustainability lead	
		MO2	improved Patient feedback and scores (e.g. PLACE).	improved Feedback relating to the care environment (e.g. temperature, light).	Annual	Not currently reported	Not currently reported	Patient Environment Operational Group - Facilities Performance and Projects Manager	
		MO3	Number of sustainable models of care initiatives showing Financial, environmental and social benefits being delivered		Monthly	Not currently reported	Not currently reported	Transformation Programme Director	
		MO4	Reduction in hospital admissions due to sustainable models of care		Monthly	Not currently reported	Not currently reported	Transformation Programme Director	
		MO5	Increase in non-face to face outpatient contacts.	Jan - March 2020: 8% of appointment non face to face (Bristol only)	Monthly	8%	43%	Transformation Programme Director	

Travel and Logistics

Minimise the environmental and health impacts associated with the movement of goods and people on Trust business:		TR1	Number of service change proposals with SIA - assessing travel options and impacts when planning changes to our services (using Health Outcomes of Travel Tool)	100%	Monthly	Not currently reported	Not currently reported	Chair of Trust Clean Air Workstream	travel options were assessed as part of relocating clinics for Covid response
	increase in staff that respond to the Travelwest travel to work survey	STR1	City Council supported travel to work survey. This provides the Trust with data about staff habits when travelling to work	25% of staff to take part by 2025	Annual	8%	11%	Chair of Trust Clean Air Workstream	communication is key to deliver this
	reduction in % of staff travel to work by Single Occupancy vehicle (SOV)	STR2	Staff to be supported to not rely on the car when travelling to work. Covid 19 and free car parking for NHS staff has meant that more staff intend to drive to work	year on year % decrease in staff that use SOV for travel to work 10% by 2025	Annual	46%	47%	Chair of Trust Clean Air Workstream	the continued free car parking for NHS staff has meant that staff that used alternative means previously are now driving to work
	increase in % staff that car share to travel to work	STR3	staff that car share to travel to work need to be supported by being provided with adequate facilities for this eg: dedicated parking spaces	year on year %increase of staff that car share 10% by 2025	Annual	5%	7%	Chair of Trust Clean Air Workstream	this is a good result considering for most of 2020 and into 2021 people are encouraged not to car share
	increase in % staff that walk to work	STR4	walking to work has many benefits. It is better for the environment as well physical and mental health wellbeing benefits. Staff should be supported to walk to work with adequate facilities provided for them in the workplace	year on year % increase of staff that walk to work 20% by 2025	Annual	14%	13%	Chair of Trust Clean Air Workstream	
	increase in % staff that cycle to work	STR5	cycling to work has many benefits. It is better for the environment as well physical and mental health wellbeing benefits. Staff should be supported to cycle to work with adequate facilities provided for them in the workplace	year on year % increase of staff that cycle to work 17% by 2025	Annual	12%	12%	Chair of Trust Clean Air Workstream	
	increase in staff that use the bus or other forms of public transport to travel to work	STR6	Covid 19 restrictions has lead to a lack of confidence in using public transport for travel to work. Reduced capacity on the buses has also meant that the Bus currently cannot be relied upon as a means of travel to work	year on year % increase of staff that use the bus for work 30% by 2025	Annual	13%	17%	Chair of Trust Clean Air Workstream	
	maintain % of staff that work from home	STR7	Covid 19 restrictions has meant that more staff have started to work from home. This needs to be encouraged and supported where possible.	maintain the % of staff that work from home with a target of 13% of staff working from home for at least 50% of the time	Annual	10%	14%	Chair of Trust Clean Air Workstream	staff continue to work from home with 14% of staff working from home entirely.20% of staff alternate working from home with working on site

Minimise the environmental and health impacts associated with the movement of goods and people on Trust business:	Reduction in mileage of fleet vehicles using fossil fuels	BTR1	baseline set November 2020			Annual	Not currently reported	Chair of Trust Clean Air Workstream	the telematics can record this and a base line will be set in November 2021	
	increase in mileage of fleet vehicles that are EV	BTR2	baseline set November 2020			Annual	Not currently reported	Chair of Trust Clean Air Workstream	the telematics can record this and a base line will be set in November 2021 the Trust now has 7 Electric vehicles	
	Reduction in mileage claimed by staff for Grey Fleet use	BTR3	baseline set November 2020			Annual	Not currently reported	Chair of Trust Clean Air Workstream	still unable to obtain this data from Payroll	
	increase in staff use of Trust EV pool cars or E Bikes for business use	BTR4	Owned Electric and PHEV mileage			Annual	Not currently reported	Chair of Trust Clean Air Workstream	bookings through Transport team	
	Patient and visitor Travel surveys	PTR1	Patient and visitor travel question to be included on Kiosk/Car park activity report	surveys to be carried out		Annual	Not currently reported	Not currently reported	Chair of Trust Clean Air Workstream	
	reduction in % of patients and visitors travelling to hospital by car	PTR2	Patient and visitor travel question to be included on Kiosk/Car park activity report			Annual	59%	Not currently reported	Chair of Trust Clean Air Workstream	info taken from 2020 survey for baseline
	increase in % of patients that travel to hospital by sustainable methods	PTR3	Patient and visitor travel question to be included on Kiosk/Car park activity report			Annual	41%	Not currently reported	Chair of Trust Clean Air Workstream	info taken from 2020 survey for baseline
	monitor the air quality within and external to our buildings	PTR4	Air quality within and external to our buildings.			Annual		Not currently reported	Chair of Trust Clean Air Workstream	air quality monitors were installed September 2021 the information from them is that recommended levels of PM10 and PM 2.5 are being exceeded regularly
		TR9	Clean air hospital framework score.	Excellent by 2025		Annual		Not currently reported	Not currently reported	Chair of Trust Clean Air Workstream

Our People										
Support staff to improve sustainability at work and home and empower them to make sustainable choices and improve their health and wellbeing:		PE1	Number of environmentally-focused staff benefits.	increase annually		Annual	Not currently reported	Not currently reported	Workplace Wellbeing Team	
	Staff engaged and enabled to adopt sustainable practices and to take ownership within their own areas of influence.	PE2	Staff participation in sustainability programmes.	increase % of staff		Annual	Not currently reported	Not currently reported	Sustainability Officer	
	All staff clear in their roles in delivering this strategy.	PE3	Social Value Calculator. CQUIN performance.			Annual	Not currently reported	Not currently reported	Sustainability Manager, Senior Commissioning and Planning Manager	
	Sustainability leadership in our communities; staff empowered to make sustainable choices at work, home, across our supply chain and beyond.	PE4	Staff sickness	reduction attributable to Sustainability initiatives		Annual	Not currently reported	Not currently reported	Workplace Wellbeing team, Green travel team, Line Managers	