

Our Green Plan

2021-2024



Welcome

The NHS is responsible for 4-5% of the UK's carbon emissions and 3.5% of all road travel; at the same time, climate change is recognised as having a negative impact on health, exacerbating health inequalities.

We recognise the important role we have in helping to reduce carbon emissions and improve sustainability, to deliver high-quality care today without compromising the needs of future generations.

Our Green Plan sets out a framework for how we will reduce the impact of climate change, embrace 'green' learning and innovation and support the NHS to deliver a carbon net zero healthcare system, by 2040.

The quality of our environment has a direct impact on our health. Through engagement and partnership working we will transform our environmental impact

and make a positive difference on the health and wellbeing of our people and the population we serve.

Our Green Plan is our commitment to reduce our impact on the environment and put us on a path to deliver a cleaner, greener, healthier and more equitable future.



Stacey Hunter
Chief Executive Officer

“ The NHS has committed to reaching net zero by 2040 for the emissions we control directly and by 2045 for the emissions we influence, through the goods and services we buy from our partners and suppliers.

Contents

| | |
|--------------------------------------|----|
| NHS Sustainability Plans and Targets | 3 |
| The Trust and its Environment | 4 |
| Our Green Vision | 5 |
| Green Action Plan | 7 |
| - Workforce and system leadership | 7 |
| - Sustainable models of care | 8 |
| - Digital transformation | 8 |
| - Travel and transport | 9 |
| - Estates and site redevelopment | 10 |
| - Medicines and medical gases | 12 |
| - Supply chain and procurement | 13 |
| - Food and nutrition | 15 |
| - Adaptation | 15 |
| How you can help | 16 |

NHS Sustainability Plans and Targets



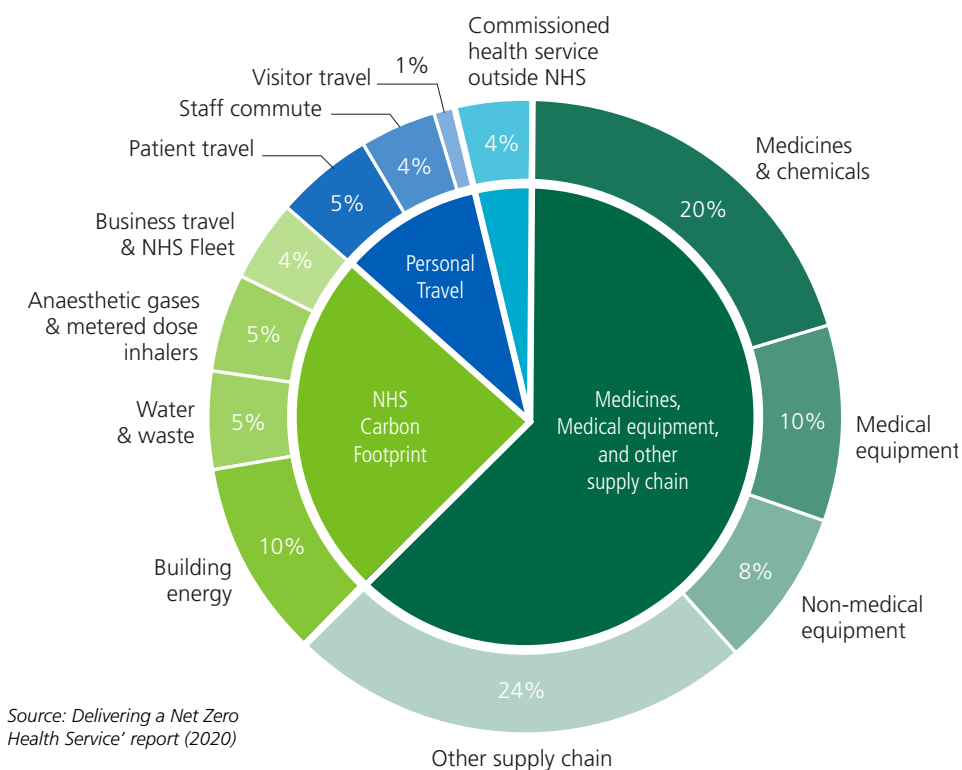
The UK is committed to becoming **carbon-neutral by 2050**, as per the **Climate Change Act 2008**. The **national NHS targets are based on the Climate Change Act 2008**.

In October 2020, the NHS became the **world's first health service** to commit to reaching carbon net zero, in response to the profound and growing threat to health posed by climate change. The *'Delivering a Net Zero Health Service'* report sets out a clear ambition and two evidence-based targets:

Target 1: For the emissions we control directly (the NHS Carbon Footprint) to be **net zero by 2040**, with an ambition to reach an **80% reduction by 2028 to 2032**.

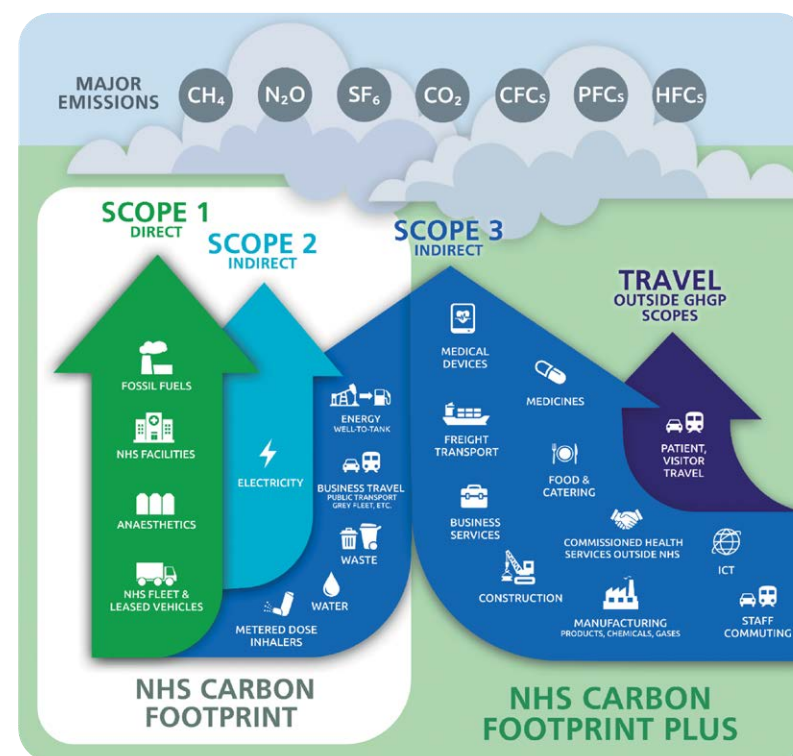
Target 2: For the emissions we can influence (our NHS Carbon Footprint Plus), to be **net zero by 2045**, with an ambition to reach an **80% reduction by 2036 to 2039**.

Sources of carbon emissions in the NHS



Source: *Delivering a Net Zero Health Service* report (2020)

Greenhouse Gas Protocol scopes in the context of the NHS





The Trust and its Environment

Salisbury NHS Foundation Trust

Salisbury NHS Foundation Trust provides services at Salisbury District Hospital which is located a mile south of the city centre. We deliver a broad range of clinical care to approximately 270,000 people in Wiltshire, Dorset and Hampshire.

Specialist services, such as burns, plastic surgery, cleft lip and palate, rehabilitation and the Wessex Regional Genetics Laboratory extend to a much wider population of more than three million people.

Salisbury District Hospital includes the Duke of Cornwall Spinal Treatment Centre. This is a purpose built, 45 bed unit which specialises in caring for people who have spinal cord injury and serves a population of 11 million covering an area across most of southern England.

Our services are delivered by 4,800 staff.

Our Estate covers some twenty one hectares.

Salisbury NHS Foundation Trust is located within and aligned to the Bath, Swindon and Wiltshire (BSW) Integrated Care System (ICS).

A large proportion of the hospital site is housed in older accommodation. Instead of new buildings, the Trust has sought to use its resources most effectively by moving out non-clinical services from the newer parts of the hospital to the north of the site and converting these areas into clinical space.

There is now relatively limited non-clinical functions accommodated in the newer parts of the site – the opportunities for this approach are now exhausted. Yet there remain clinical services provided out of 1940's accommodation (maternity, neonatal intensive care) and in buildings that have exceeded their economic life (day surgery) or in accommodation where the clinical model and therefore the accommodation requirements have changed substantially.

Changes in our local population

The local population which Salisbury NHS Foundation Trust covers is predicted to grow by about 14% between now and 2030 and overall by about 11% by 2041.

This is largely driven by an increase in house building across the area and by the military rebasing project which has seen large numbers of army personnel and their dependents settling in Wiltshire following the closure of military bases in Germany.

Our Green Vision

As a leading local anchor institution, we play an important role beyond the boundaries of our Estate, in contributing to a greener, healthier and more prosperous city.

We can further contribute to the local area through: partnership working, health promotion and prevention, employing more local people, supporting local procurement and reducing the environmental impact of our activities.



Our Areas of Focus



Workforce and system leadership



Sustainable models of care



Digital transformation



Travel and transport



Estates and site redevelopment



Medicines and medical gases



Supply chain and procurement



Food and nutrition



Adaptation

Our Aims

1. Ensure greater engagement with the community, a greater sense of community ownership and involvement with the hospital.
2. Contribute to the development of Salisbury as a place.
3. Reduce the organisation's carbon footprint and deliver sustainable initiatives that support site development.
4. Contribute to a reduction in the causes of ill-health (e.g. air pollution), with an impact on unplanned admissions.



Our Priorities 2021-2024

1. Embed 'Sustainability' into everything we do, support behaviour change and undertake the actions that will lead to the delivery of Health services within a low or zero carbon NHS.
2. Engage with our community, partners and staff, working collaboratively to embrace the use of technologies, innovation and develop new models of care and new ways of working.
3. Seek to become 'Carbon Literate' raising our staff's awareness of the impact everyday activities have on the climate and know what steps can be taken to reduce emissions, individually, in our teams and as an organisation.
4. Move towards more sustainable low carbon energy sources.
5. Develop and promote flexible and remote working, a low or zero carbon commute to work.
6. Ensure modern building methods are applied to new building projects.
7. Ensure suppliers meet minimum standards expected on net carbon zero and social value.
8. Prepare the Estate, develop mitigation and adaptation plans in response to climate change.
9. Promote and invest into energy (and water) saving measures, 'make every KWh count'.
10. Increase healthier, more sustainable menu choices and reduce food waste.
11. Reduce (or replace) the use of medical gases and medicines, high in carbon emissions.
12. Promote 'active travel' with improved secure storage and e-bike charging facilities.

13. Increase Resource Productivity – Extend the life of items purchased (repair), increase the volume of recycled waste and repurpose items (e.g. furniture).
14. Reduce the volumes of residual waste through supplier engagement (avoidance), reuse and recycling.

“ Our Green Plan is our commitment to reduce our impact on the environment and put us on a path to deliver a cleaner, greener, healthier and more equitable future.

Stacey Hunter, CEO



Green Action Plan

Workforce and system leadership



Working with the Carbon Literacy Project we aspire to become a 'Carbon Literate' organisation, aware of the impact everyday activities have on the climate and know what steps can be taken to reduce carbon emissions, individually, in our teams and as an organisation.



We will support the Greener NHS Team – '*Healthier Planet, Healthier People*' staff engagement campaign, which seeks to bring to life the link between our health and that of our environment, empowering staff to create a greener sustainable health service, in a way that is meaningful to them.

We plan to better engage with our local community and Staff to develop a team of Sustainability Champions, empowered to lead a programme of employee led Green initiatives.

Staff led actions may include:

- Using a refillable bottle for a year saving 64kg of CO₂ compared with single use plastic bottles.
- Turning off equipment and lights and controlling temperatures can lead to great savings, and significant reductions in CO₂.
- TLC – Turn off equipment, Lights out, Close doors.
- Saving one car journey a week of 16.7 miles (average daily commute) reduces the equivalent of 230kg of CO₂e per person over a year.
- Using the right bin: In 2017, the NHS sent 15% of its waste to landfill, a total of 47,000 tonnes, a weight equal to 650 times the Space Shuttle.



Our actions, we will

1. Become Carbon Literate, with training and support for staff.
2. Support and engage with the '*Healthier Planet, Healthier People*' staff engagement campaign and establish a network of 'Sustainability Champions'.
3. Embed our Green Plan objectives within our leadership teams and promote sustainability in our approach to quality and service improvement.
4. Establish and maintain a multi-disciplinary Sustainability Group to develop and deliver the sustainability agenda.
5. Develop internal and external engagement and communications to highlight and promote the sustainability agenda.
6. Encourage and recognise our staff that embrace sustainability and support us with the 'climate change' challenge.

Sustainable models of care



Progress towards target net zero

- ✓ During the Pandemic significant progress has been made in delivering virtual outpatient appointments, resulting in positive patient feedback. Investment is in place to further develop this work and increase the number of non face-to-face appointments, and establish virtual appointments (where clinically appropriate).
- ✓ We have been running a number of paper lite projects (e.g. E outcome forms for out-patients) and have reduced the number of printers on site. We will seek to develop further opportunities to adopt paper lite strategies in the delivery of care.

We will embed sustainable practices within our models of care, challenge and review the use of 'single use' items and seek alternatives.

Our actions, we will

1. Increase the number of non face-to-face outpatient appointments.
2. Establish and promote further paper lite models of care.
3. Challenge and review the reliance upon 'single use' items and seek credible alternatives.
4. Support the ongoing development and expansion of online clinical discussions aimed at reducing hospital admissions e.g. the Virtual Ward project.

Digital transformation



Progress towards target net zero

- ✓ Our IT team has achieved savings in power consumption and storage capacity by moving to a centralised data centre (The Cloud).
- ✓ We have expanded the use of "Attend Anywhere" to ensure outpatient consultations can take place virtually and expanded the use of Video conferencing for multi-disciplinary meetings. Advice and guidance software has been purchased for clinicians (including GP's) to communicate with each other via an app.



- ✓ The use of virtual meetings and webinars has become 'business as usual' and are routinely used throughout the Trust, resulting in a reduced demand for meeting room space and 'off site' travel.

Our actions, we will

1. Further develop our electronic patient records system to reduce the use of paper and enable mobile access to information.
2. Work to develop a clear case for change including benefits such as improved virtual collaborative working, and seamless information sharing that could be enabled by a shared electronic patient record across the three acute hospitals in the ICS.
3. Implement electronic personal held records to reduce the use of paper with people and they are able to own their care and effectively engage virtually with clinicians.
4. Commit to Digital transformation with reference to the NHSX's 'What Good Looks Like' framework.
5. Investigate the introduction of a room / desk booking solution to improve the utilisation of office / meeting space.

Travel and transport



Progress towards target net zero

- ✓ The Trust has established a multi-agency, Transport Strategy Steering Group. Through this route we will continue to promote and deliver low carbon strategies to support Green Plan objectives.
- ✓ Working with a leading provider we have established a platform to support 'car sharing' in the commute to and from work.
- ✓ In 2020 we installed 14 x 7kw Electric Vehicle chargers, available to patients, staff and visitors. We plan to further expand this network and make the Estate 'EV' ready.
- ✓ To promote the use of public transport we have agreed discounts in place with the local bus company.
- ✓ The Non-Emergency Patient Transport service was successfully tendered in 2020 requiring the provider to evidence their progress towards an ultra-low (or zero) emission fleet.

Support for 'active travel' has included:

- Improved signage on cycle routes, to and from the hospital.
- Promotion of a 'cycle to work' scheme, linked to salary sacrifice.
- Provided access to lockers and showers through 'Active Travel' membership of our Leisure Centre.
- Increased the threshold in our cycle to work scheme, supporting the purchase of e-bikes.

Our actions, we will

1. Develop and gain support for a Travel to Work strategy that contributes to a reduction in carbon emissions, for the commute to work.
2. Further improve facilities to support and promote 'active travel', including secure cycle storage, a bike-Dr Service, dedicated shower and changing facilities.
3. Promote the use of public transport through the development of personal Travel Plans and better engagement with local transport providers.
4. Further develop and promote formal car-sharing and a reduction in single occupancy car travel, in the commute to work.
5. Support the move to zero emission vehicles, including the addition of further Electric Vehicle (EV) charging infrastructure on site.
6. Work towards moving the Trust vehicle fleet to ultra-low (or zero) emission vehicles.
7. Ensure a greater focus on providing staff with travel information combined with the development of Personalised Travel Plans.
8. Continue to promote the use of delivery vehicles with ultra-low (or zero) emissions.
9. Identify the opportunities to improve air quality using the cleaner air hospital framework.



Estates and site redevelopment



Our Estate

Progress towards target net zero

We are committed to reducing our carbon footprint and our Estates team have made significant progress with actions across a range of initiatives, which includes:

- ✓ Following an Estates Review (in 2020), we appointed an Energy Conservation Manager.
- ✓ In 2014 we invested in photovoltaic 'Solar' Panels, generating 4% of our electricity.
- ✓ 40% of our electricity demand is generated onsite via a Combined Heat and Power (CHP) generator.
- ✓ In 2021 we invested £100k in LED lighting systems.
- ✓ All waste is disposed of through contracts which ensure that opportunities are maximised for recycling, with no waste going to landfill. Our clinical waste is incinerated and the heat generated supplies hot water to Bournemouth Hospital.
- ✓ We have developed a recycling centre, which has been the subject of national interest. Volunteers work with procurement and staff to recycle, repair and repurpose as much furniture, mobility aids and other items, as possible.
- ✓ The grounds team have been marking and conserving areas of wildflowers since 2018, a Nature Guide has been produced, funded by League of Friends.

Despite the progress made, many challenges remain, including the thermal efficiency of older buildings still in use and the need to decarbonise the estate.

Our actions, we will

1. Adopt the four stage approach to decarbonise our estate:
 - *make every kWh count*
 - *prepare buildings for electricity-led heating*
 - *switch to non-fossil fuel heating*
 - *increase on-site renewables.*
2. Seek opportunities to further increase the use of renewable energy.
3. Promote Energy Conservation and waste recycling initiatives.
4. Develop plans for the transition to more efficient lighting and prepare our buildings for electricity-led heating.
5. Review and seek to further reduce the amount of exterior night time lighting.
6. Reduce water loss (leaks) and investigate the opportunity to recycle water in our swimming pools.
7. Develop plans to replace our Combined Heat and Power (CHP) generator, by 2024.
8. Develop a coherent energy strategy that supports our low carbon objectives.
9. Through our Estates strategy, seek to develop our estate replacing inefficient infrastructure and buildings, adopting low carbon strategies and prepare our estate for severe weather events.
10. Ensure construction and capital spend supports modern building methods and low carbon strategies.
11. Upskill our Estates staff to be more 'energy aware', and conscious of their contribution to our Green Plan.
12. Further promote and facilitate recycling, repurpose and repair, supporting a low / zero waste culture.
13. Working with our staff and local community, develop our 'green' spaces to support the health and wellbeing of our staff, patients and visitors, scope out options for onsite tree planting, supporting the 'NHS Forest' movement.



The Elective Care Centre and Site Redevelopment

Achieving NHS carbon reduction targets will require new hospitals and buildings to be, at the very least, net zero carbon compatible (Net Zero Carbon Hospital Standard, 2021). We are committed to the delivery of NHS Carbon net zero objectives and our 'campus development' programme will make a significant contribution to achieving this commitment. It will enable us to move out of old, inefficient buildings and facilitate the construction of new buildings that meet modern building standards and use technologies that are highly energy efficient.

Underpinning the campus development are some key guiding principles:

- Avoid carbon emissions by designing buildings that require fewer materials and construction activities to build and less energy to run.
- Minimise carbon emissions by using materials and construction activities that result in fewer carbon emissions and ensuring efficient use of energy.
- Replace higher carbon energy sources with low or zero carbon energy sources, both in construction and operation.
- Offset residual carbon emissions that cannot be avoided through quantifiable and verifiable carbon offsetting measures.

In order to make a positive contribution to the Trust's net zero carbon objectives through the Elective Care Centre, key requirements will be:

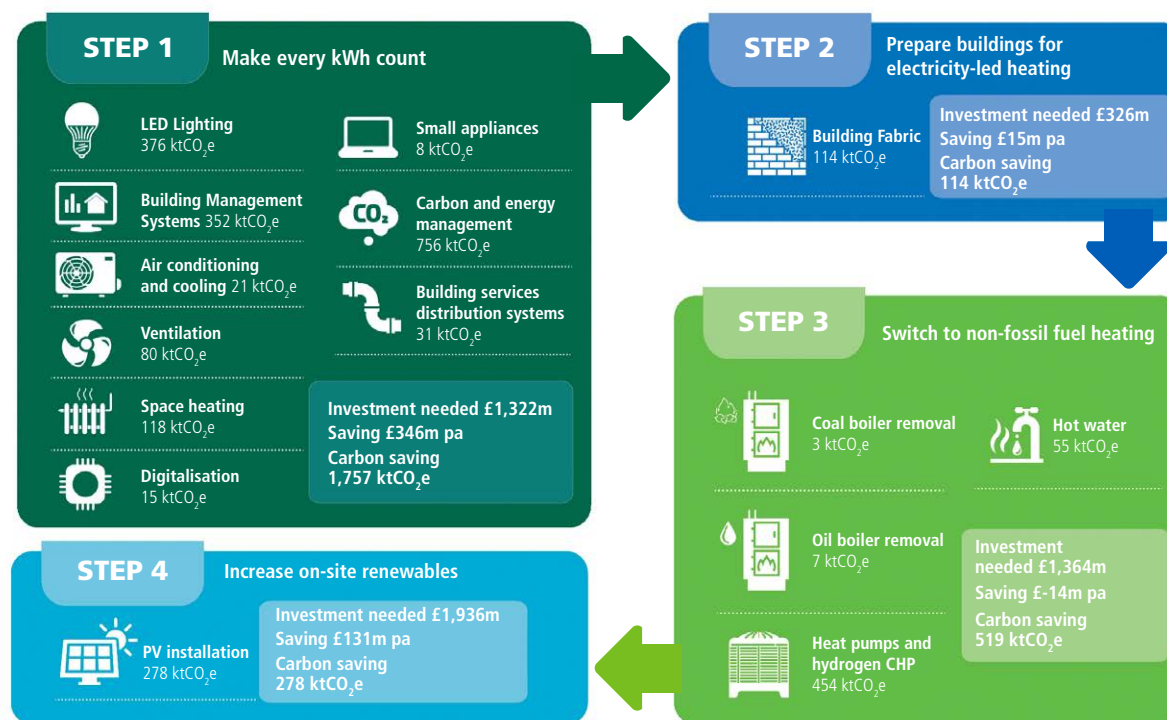
- Developing a carbon emissions model to enable assessment of design procurement and construction options.

- Facilitate non-carbon based delivery systems.
- Use of modern methods of construction to reduce carbon impact of construction.
- Replace higher carbon energy sources with low or zero carbon energy sources, both in construction and operation.
- Offset residual carbon emissions that cannot be avoided through quantifiable and verifiable carbon offsetting measures.

Measures such as the BREEAM excellent score and net zero carbon assessment will be used to monitor progress.

The Elective Care Centre is the first major opportunity the Trust will have to establish the key principles of building design which will then influence further developments.

Four step approach to decarbonise the NHS estate by 2040



Includes indicative numbers to illustrate the scale of the challenge to decarbonise the NHS estate by 2040. These are not actuals.

Medicines and medical gases



Progress towards target net zero

- ✓ Through our Medical Gas Committee we have ceased using Desflurane, a medical gas responsible for a significant amount of carbon emissions, replacing it with Sevoflurane.
- ✓ We have made progress on recycling foil packaging / blister strips, with collections in place to ensure products are recycled.

Nitrous Oxide

We need to focus on ways in which the use of Nitrous Oxide can be reduced. Nitrous Oxide is a major component of Entonox and whilst a very effective analgesic for labouring women, Entonox is a greenhouse gas that accounts for over 2% of the NHS carbon footprint (*Sulbaek et al, 2012; Sustainable Development Unit, 2013*).



Many inhalers used within the Trust are aerosol based and as such, release carbon emissions. Alternatives to current commonly used inhalers may be more expensive and not as effective. Our Pharmacy team is working closely with healthcare colleagues in Primary Care to achieve the transition to more environmentally friendly products.

There is significant wastage of Medicines that could otherwise be avoided; our Pharmacy team is working to reduce this.

Our actions, we will

1. Aim to eliminate the use of Nitrous Oxide in the theatre setting within three years.
2. Explore more sustainable alternatives to the use of Entonox.
3. Work closely with the Primary Care network across [BSW](#) to ensure that there are environmentally friendly and affordable options to enable us to move away from reliance on aerosol inhalers.
4. Undertake a review of medicines that generate high levels of carbon emissions and explore alternatives.
5. Continue to reduce Pharmacy waste.

Supply chain and procurement



The Public Sector has a vital role to play in furthering sustainable development through the procurement of goods, supplies, and services works and utilities.

Our Procurement team works closely with all NHS supply chain partners to achieve a sustainable procurement route for the goods and services used across the Trust and the wider ICS.

The Procurement team is committed to the principles of sustainable procurement and was one of the first teams within the Trust to develop a strategy to deliver sustainable objectives.

The team will continue to raise the profile of sustainable procurement practices, working with suppliers to help achieve this.

To demonstrate effective environmental management, suppliers to the Trust will be requested to have (or to be working towards), Environmental Management System certification (ISO14001, EMAS, BS8555 or equivalent).

Supply chain challenges:

- Reducing the use of plastics. During 2019/2020 alone, the NHS purchased 184 tonnes of plastic catering consumables.
- Ensuring 'sustainability' is a crucial consideration in all procurement decisions.
- Protecting biodiversity.

- Training and developing our staff in the principles of sustainability and sustainable procurement.
- Supporting innovation that provides sustainable solutions and reduces the consumption of resources, working with commissioners within the Trust and our supply chain.
- Reducing transactional costs by supporting eProcurement, eTendering and eCatalogues.
- Ensuring procurement activity is compliant with current and future government and public procurement legislation.
- Supporting the Trust's sustainability action plan, working with stakeholders to deliver the NHS Carbon Reduction Strategy for England.
- Ensuring all tendering documentation outlines the Trust sustainable policies and requirements.
- Specifying and evaluating sustainability requirements in all tenders and contracts.
- Building sustainable outcomes into procurement staff appraisals.
- Ensuring consideration of the waste hierarchy principles (reduce, reuse, recycle, recover).



continued over ➔



Our actions, we will

1. Develop a robust process for managing 'continuous improvement' and net zero commitments.
2. Reduce the amount of material that is disposed of by assessing the requirements for goods and encouraging the use of recycled goods where possible.
3. Where waste material needs to be disposed of, we are committed to sourcing solutions to recycle in line with legislative requirements and duty of care.
4. As an Anchor Institution, make a positive contribution to the local economy and its ambitions to develop sustainable working practices. Our Procurement processes will add social value by supporting local business opportunities recirculating wealth and bringing community benefits.
5. Act upon available national guidance and adopt a Social Value Policy which will build social value into most, or all contract specifications and award a significant proportion of tender scoring based on this.
6. Support the NHS supply chain in its commitment to reduce the use of single use items in its supply chain and aim to reduce plastic catering consumables used by the NHS by 50 tonnes during 2021/2022.
7. Actively seek to increase the utilisation of national contracts where it is clear that sustainability issues have been addressed.
8. Undertake whole-life costing when purchasing equipment to include training, implementation, and disposal of goods, consumables, utilities and energy efficiency.
9. Encourage suppliers to propose innovations which improve the sustainability of their tender offering and reflect this in tender evaluation criteria.
10. Include a statement to all suppliers of goods and services that the Trust is committed to leading on sustainability and expects all members of the supply chain to actively support us in this aim.
11. Seek the adoption of the [Evergreen Supplier Framework](#) as a mechanism to benchmark suppliers and shift to those that actively support the NHS sustainability principles.
12. Ensure the nomination of an ICS lead for sustainable supply chain and procurement to incorporate sustainability into foundations of ICS delivery.
13. Work towards ensuring that all paper purchased for use by the organisation, contains recycled content.

Food and nutrition



Progress towards target net zero

- ✓ In 2018 our Catering team achieved the 'Food for life' bronze award, awarded to recognise the use of locally sourced, fresh produce and the use of seasonal menus.
- ✓ The Catering team supports animal welfare and sustainable methods used in the supply of food and actively works to reduce food miles, with the sourcing of goods and services locally, whenever possible.
- ✓ Meat and dairy items contribute to our carbon footprint; in response we have promoted plant based diet choices for staff and visitors and developed a bespoke vegan menu for our patients. Additionally, we have increased the number of plant based menu options onto our standard hospital menu.
- ✓ We have ceased using single use plastic cups, replaced polystyrene products and have replaced all takeaway plastic cutlery with wooden items.
- ✓ Plastic straws have been changed to a more eco-friendly biodegradable product.
- ✓ Disposable plastic cups used by patients (for water) have been replaced with re-usable beakers.

Our actions, we will

1. Work to significantly reduce the volume of 'single use' items used in food service e.g. coffee cups, takeaway containers.
2. We will review our recipes and working with Dietitians reduce the volume of meat and dairy from our menus.
3. Working with our Estates team we will seek to further improve our energy efficiencies and reduce energy consumption, in the food service process.
4. With an increase in the use of organic products, we will seek to achieve the 'Food for Life Silver Award'.
5. We will investigate alternative methods for waste food disposal, removing the food macerator.
6. We will seek to increase the volume of food consumed by our patients, supporting a reduction in food waste e.g. reintroduce the 'course by course' initiative.
7. We plan to introduce an electronic patient meal ordering system, reducing paper and supporting a reduction in food waste.
8. We will work with our Procurement team to increase the percentage of locally sourced foods.

Adaptation



Adaption is the process of adjusting our systems and infrastructure to continue to operate effectively, while the climate changes. We will develop plans to mitigate the risks and effects of climate change including severe weather conditions such as flooding and heatwaves.

Using the Climate Adaptation Risk Assessment template, we will monitor the significant risks facing our organisation and set out the adaptation and mitigation actions required.

Our actions, we will



1. Complete the Climate Adaptation Risk Assessment and manage these risks through the Trust's Business Assurance Framework.
2. Develop longer term plans through our site development work, to militate against these risks.





How you can help

Join us on our journey ...

- **Help spread the word** about Sustainability. Talk to colleagues, friends, family and get thinking and talking green!
- **Follow our news**
 @SustainableSFT
 @sftsustainability
Visit our Sustainability pages at: www.salisbury.nhs.uk
- **Share ideas** with us or simply get in touch for advice and support by emailing sft.sustainability@nhs.net

Member of Staff at Salisbury NHS Foundation Trust?

Sign up to become a **Sustainability Champion** to see how you can inspire and encourage change. You can be involved as much as you want to. Whether you want to take a bold stance on sustainability or simply want to start with the small everyday actions – we'd love you to be a part of it!

Email sft.sustainability@nhs.net to find out more.





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