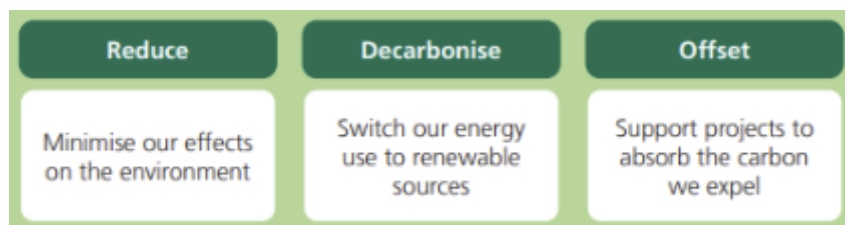


Private Board - Cover Sheet

Subject:	Sustainability Development Update		Date:	06/03/2025	
Prepared By:	Helena Clements - Consultant Paediatrician Mark Jackson – Director of Estates and Facilities				
Approved By:	Richard Mills – Chief Finance Officer				
Presented By:	Richard Mills – Chief Finance Officer				
Purpose					
Update of progress against the Trust Green Plan – Summary of significant achievements and plans for 2025				Approval	
				Assurance	
				Update	X
				Consider	
Strategic Objectives					
Provide outstanding care in the best place at the right time	Empower and support our people to be the best they can be	Improve health and wellbeing within our communities	Continuously learn and improve	Sustainable use of resources and estates	Work collaboratively with partners in the community
	X		X	X	X
Indicate which strategic objective(s) the report support					
Identify which Principal Risk this report relates to:					
PR1 Significant deterioration in standards of safety and care					
PR2 Demand that overwhelms capacity					
PR3 Critical shortage of workforce capacity and capability					
PR4 Insufficient financial resources available to support the delivery of services					
PR5 Inability to initiate and implement evidence-based Improvement and innovation					
PR6 Working more closely with local health and care partners does not fully deliver the required benefits					
PR7 Major disruptive incident					
PR8 Failure to deliver sustainable reductions in the Trust's impact on climate change					X
Committees/groups where this item has been presented before					
Trust Management Team – 26 th February 2025					
Acronyms					
SFH = Sherwood Forest Hospitals NHS FT ICB = Integrated Care Board KMH = Kings Mill Hospital NEEF = National Energy Efficiency Fund NH = Newark Hospital SDOG = Sustainable Development Operational Group SDSG = Sustainable Development Strategic Group					
Executive Summary					
This paper provides the Trust Board with an annual update on the progress of the Sustainable Development workstreams within the Trust.					

Sherwood Forest Hospitals NHS Foundation Trust (SFH) continues to work through the Green Plan (2021-2026) which looks at the NHS becoming “Net Zero” by 2040. Net Zero refers to the balance between the amount of greenhouse gases produced and amount removed from the atmosphere.

The goals we are aspiring too is the emissions we control directly that we will reach net zero by 2040 with an ambition to reach an 80% reduction by 2028 to 2032.



In the later part of 2024 support and funding for significant capital investments have been approved by NHSE, the continued working with Nottingham University Hospitals NHS Trust (NUH) continues and the recruitment of an energy apprentice has made 2025 look to be a promising year for SFH on the sustainability agenda.

The Trust Board is asked to review the content of the paper for assurance on the sustainability agenda.

Introduction

The Trust has seen significant investment over the year in capital developments on energy saving related schemes. With two years left on the current SFH Green Plan (although this will be refreshed this coming year) there needs to be a focus on the delivery of the remaining actions identified. Despite all the great work and investments undertaken SFH still have some way to go in the final two years to achieve all its actions so have engaged LowCarbon Europe to support in this delivery.

Governance

The Sustainable Development Operational Group (SDOG) aims to meet monthly and review various workstreams aligned to the SFH Green Plan. The work streams cover all aspects of the work of SFH including corporate areas such as our People, Our Estate and our Digital innovation. The reason for a whole SFH response from both clinical and non-clinical involvement is that 60% of NHS carbon emissions are clinical with 25% of this related to medicines alone.

The Sustainable Development Strategic Group (SDSG) remains on a quarterly basis, Chaired by the Chief Financial Officer, and this group continues to support the delivery of the Sustainability Agenda. The group reviews the Trust Energy and Sustainability KPIS which are also updated every 6 months to Risk Committee which are

- Waste Volumes
- Carbon Emissions
- Water Usage
- Energy Usage
- Green Plan Completion

The Climate Action Group continues to be active in supporting the local teams within SFH and we now have 50 Climate Champions who are working at ward and clinic level to reduce our consumption of single use items and improve recycling and waste management.

Successes

Key successes for SFH in 2024/25 include: -

- Working with SSE (Decarbonisation Plan)
- Grant Monies from NEEF (2/3 Submissions)
- Grant Monies from CEPA
- Installation of EV Charges Across SFH
- Energy Manager Apprentice
- Theatre Ventilation
- Computer Power Down

Working with SSE (Decarbonisation Plan)

SFH are working with SSE to look to decarbonise the King's Mill Hospital (KMH) site and this in very early stages of discussion and what the art of the possible is with early design proposals being discussed. Solar, air sourced heat pumps, wind generation are just a few of the technologies being looked at with SSE.

Grant Monies from NEEF and CEPA

In November 2024 funding was announced by NHSE to support energy efficiency schemes under Phase 3 of the National Energy Efficiency Fund (NEEF) and the NHS Centralised Energy Purchasing Agreement (CEPA) in order to drive direct energy efficiency into projects. SFH had to submit by the 22nd December with approval coming in early January 2025 if successful.

SFH were successful with 3 out of their 4 bids which were: -

Building Management Systems - £676,962 for the expansion of controls to our chilling systems, including chillers and split units, at our KMH site. The project will save SFH approximately £132,600 per year in electricity, based on surveys undertaken and usage of chilled systems. Please note that this is with no effect on the amount of chilling SFH produce but improves the efficiency of the units producing it. The project must be completely installed by 30th June 2025 and equates to a 4.25-year payback if funding had not been approved.

LED - £2,344,486 to undertake LED lighting replacements at the KMH site. The project will save SFH approximately £1,730,610 per year in electricity, based on next years forecast energy pricing from Crown Commercial Services. The project must be completely installed by 30th September 2025 and equates to a 1.4-year payback if funding had not been approved.

Sub-Metering - £61,479 to undertake electrical submetering at the KMH site. The project will save SFH approximately £37,512 per year in electricity, based on a 2.5% reduction being found through the interrogation of the meter data, leading to no cost changes at each building. The project must be completed within this financial year, by 31st March 2025, and equates to a 1.64-year payback if funding had not been approved.

Installation of EV Charges Across SFH

KMH and NH have seen Electrical Charge Points put in through Pod-Point (KMH) and the Council (NH). Staff now have the choice of 20 charge points at KMH and 5 charge points at NH. This has been well received.

Energy Manager Apprentice

SFH have recruited to an Energy Manager Apprentice which will see the Trust further supported on the Sustainability agenda. With the investments identified earlier, this role now becomes more crucial in being able to achieve the savings set. The person will start early April 2025.

Theatre Ventilation

Work is commencing this month to install sensors in our operating theaters which will power down ventilation and lights when they are not in use. This has the potential to save SFH to £200,000 per year based on next year's forecast energy pricing from Crown Commercial Services.

Computer Power Down

NHIS are currently rolling out the power down of computers and laptops when they are not in use. This has been shown to deliver significant energy savings with no impact on staff or patients. Once completed at SFH they will roll out to their other provider organizations, amplifying the financial and carbon savings across the system.

Low Carbon Europe (LCE)

SFH are now utilising LCE who were involved in the original writing of the Green Plan and will support the completion in the coming year. They also supported in the NEEF and CEPA submissions and are project managing these schemes.

Our People

Sustainability carbon literacy training has been delivered to the Trust Board, to FY1 and FY2s, and Climate champions. Members of the Greener ICS Clinical reference group have been teaching undergraduate health professionals and developing a faculty of multidisciplinary fellows across the system working collectively towards net zero.

Debs Kerry is leading Sustainable Quality Improvement (QI) in the Improvement Hub and has relaunched the walking aids recycling scheme.

SFH have applied to NHSE for funding for QI fellowships (announcements regarding funding awaited).

We are working closely with system partners to amplify learning and QI and collectively develop a workforce ready to deliver resilient health care in a low carbon future.

We continue to work closely with NUH sustainability team and regular meetings are now in place to share learning.

Clinical Progress

Following a successful bid to NHSE for a grant of £20K we have converted our anesthetic trolleys to allow us to decommission piped nitrous oxide from our theatres in Newark. We expect to complete this at Kings Mill Hospital by the end of Q4. This will avoid the current leakage of 90% of nitrous oxide purchased and is a priority action of NHSE.

UEC has a Green Initiatives Meeting which meets every 1-2 months and is a great model for divisional engagement. They have been looking at the switch from IV to oral paracetamol, use of reusable tourniquets, the switch from Entonox to pentrox for analgesia.

Women's and Children are attempting to reduce leakage and waste of Entonox in maternity, by disconnecting from the wall when not in use.

In Surgery, Anaesthetics and critical care reusable cool sticks are replacing the use of the volatile ethyl chloride "cold spray" for regional anesthesia.

In CSTO our Chief Registrar Darren Fernando is doing work on reducing investigations especially in Radiology. This will, improve diagnostic pathways, reduce waiting lists and has potential to reduce length of stay. In addition, it will save both money and carbon footprint.

Plan for 2025

- All Divisions to follow the example of UEC and develop their own Green Initiatives Meeting with leadership from senior clinicians and managers
- Everyone in the Improvement Hub to complete eLearning for health Sustainable QI training (30 minutes) so that sustainability is embedded in every QI initiative.
- Each division to identify at least 3 initiatives to deliver progress towards Net Zero each year.
- Ensure that there is explicit reference to Sustainability in the new focus on Research and Innovation led by Professor Van Tam.
- We should seek every opportunity to improve health and wellbeing of our staff and community as the most efficient use of resources, minimise demand, cost and carbon footprint.
- SFH has a Green Plan which will be reviewed in the next 12 months.
- SFH Progress on the Decarbonisation Plan with SSE
- NHSE has an increasing focus on our progress towards Net Zero and CQC will consider Sustainability within the Well Led section.