

Carbon Reduction Plan

Our Commitment to Achieving Net Zero

Commitment to Achieving Net Zero

St John Ambulance is committed to achieving Net Zero emissions by 2040 at the latest.

Emissions Reporting

Baseline Emissions Footprint

Baseline Year: 2018	
Note – Our historic base year does not include Travel or Vehicle Hire as this was not yet captured. Please note that Waste is also not captured, as recording this is something we intend to introduce.	
Baseline year emissions:	
Emissions	TOTAL (tCO ₂ e)
Scope 1	3,843
Scope 2	2,193
Scope 3	1,262
Total emissions	7,297

Current Emissions Reporting

Reporting Year: 2022	
Note –Waste is not captured, as recording this is something we intend to introduce.	
Baseline year emissions:	
Emissions	TOTAL (tCO ₂ e)
Scope 1	3,585
Scope 2	814
Scope 3	1462
Total emissions	5,861

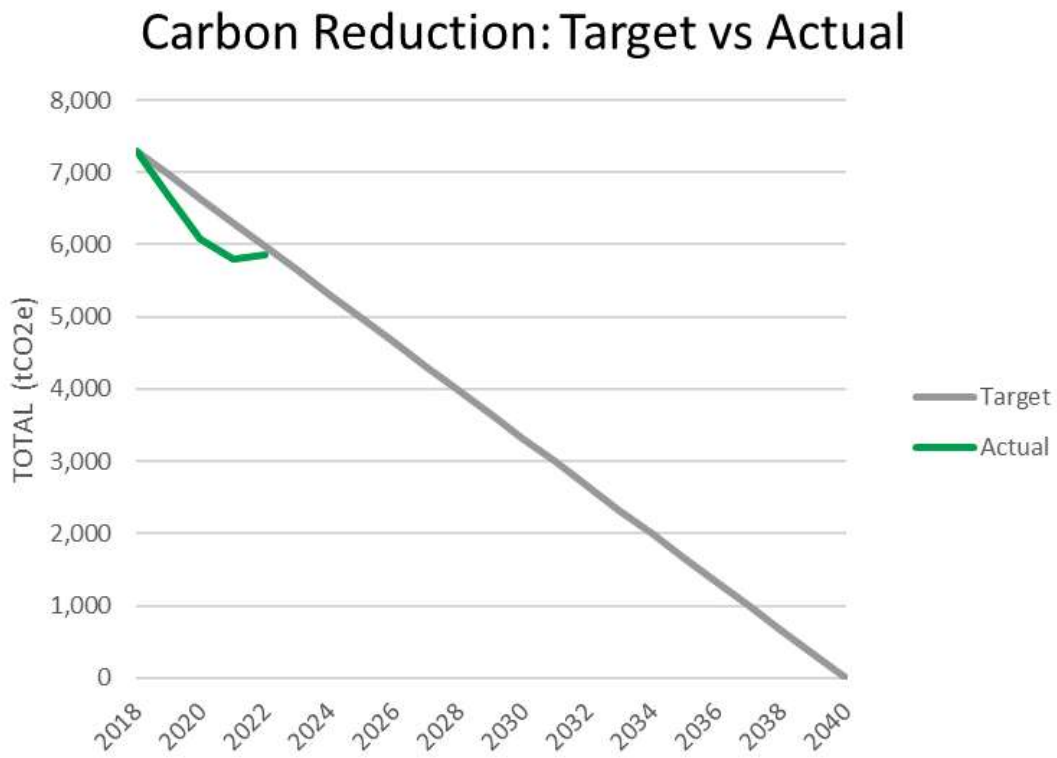
Emissions Reduction Targets

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets in publishing this Carbon Reduction Plan:

- Net Zero by 2035 for emissions we directly control.
- Net Zero by 2040 for emissions we can externally influence.

We project that carbon emissions will decrease over the next five years from our Baseline Year to 3,898 tCO₂e (at most) by 2027. This is a reduction of 46.58% from our Baseline Year.

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



2022 shows an increase in mileage expense claims, vehicle activity and travel following emergence from pandemic. Mitigations going forward through reducing our Fleet, introducing more 'green' Fleet (i.e., full electric, hybrids, Euro6), and reduction in travel.

Carbon Reduction Projects

St John Ambulance is committed to sustainable development to meet the needs of the present, without compromising the ability of future generations to meet their own needs. We aspire to continuously improve our sustainability through an ongoing programme to reduce or remove environmentally damaging activities and encourage activities that, where possible, improve or conserve the environment. We will protect human health and the environment within our operations, buildings, management of our people, and relationships with external organisations and associates.

The commitment, formally articulated in our **Environmental and Sustainability Policy**, can be found on St John's website.

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2018 baseline. The carbon emission reduction achieved by these schemes equate to **1,436 tCO₂e**, a **19.7%** reduction against the 2018 baseline, and the measures will be in effect when performing contracts.

People:

- **Forming an Environmental and Sustainability Steering Group (ESSG)**, a multi-disciplinary group of employees and volunteers which will set and promote the strategic direction for St John in respect of the environmental and sustainability agenda and articulate this through the Environmental & Sustainability Policy and associated documents. The ESSG will:
 - Develop, deliver, and monitor progress against the ESSG's annual plan and report on this in St John's Annual Reports and Accounts, available on our Intranet and our external website.
 - Communicate to, and encourage, employees and volunteers to participate in, and contribute to, ESSG's initiatives to continuously improve St John's environmental and sustainability approach.
 - Encourage all St John People to adopt a sustainable mindset, understanding that small habitual changes all aid the collaborative effort to improve St John's environmental sustainability.
- **Virtual Meetings:** Use of Microsoft Teams across the charity became integral throughout pandemic restrictions, and emphasising its use has remained today to ensure accessibility and reduced emissions through travel. It is now our policy that all meetings must have the option for virtual attendance and conference/meetings rooms have been equipped to facilitate this.

Property:

- Our Property Strategy embodies sustainability and carbon reduction as a core design principle. As we invest in our estate, we will capture opportunities to improve our use of energy through appropriate boilers and heating controls, and further installation of LED lighting.
- The Property strategy includes:
 - Improving the building fabric through new windows, doors, roof insulation to drive further efficiencies through lower heating demand.
 - The opportunity to invest in infrastructure, supporting the fleet strategy to introduce more electric vehicles.

- Introduction of solar power to key buildings such as ambulance hubs. This will be subject to them meeting criteria and confirmation of the investment payback model.

Facilities:

- Always consider the environment and sustainability in building design and maintenance
- For every refurbishment / new build opportunity that arises, always consider environmental and sustainable alternatives, e.g., replace luminaire lighting with LED, install automatic meter readers (AMRs), energy efficient boilers and insulation, etc.
 - E.g., we have 184 Gas AMRs (85%) and 269 Electric AMRs (85%). Sites which do not have AMRs are predominantly those scheduled for disposal.
- Encourage smart sustainable thinking when using facilities, e.g., turning off lights, monitors, taps etc. when not in use.
- We are in the process of discontinuing the use of disposable drinking cups, plates, and cutlery, replacing these with environmentally friendlier crockery and glasses.
- Printing – Electronic literature used where possible e.g., feedback forms, learning and training materials for Workplace Training delegates and internal training.
- We have rolled out Electronic Patient Report Forms (ePRF) for use across all clinical care settings, removing the need for paper records..

Procurement:

- New uniform contract includes recycling of old garments and 0 garments being sent to landfill as of December 2023.
- Corporate Social Responsibility and Social Value added to all tenders/supplier evaluations, which includes Environmental and Sustainability considerations, to improve our supply chain.
- Our purchase of energy is conducted via a supplier operating the REGO scheme ([Renewable Energy Guarantees of Origin](#)), ensuring a high proportion of our energy usage funds renewable energy generation; most of our supplier's REGOs come from wind farms or hydroelectric schemes. 85% of all Electric meters are covered by AMRs.
- Purchasing more environmentally friendly First Aid Kits, using products which are less harmful to the environment and reducing the level of plastic packaging used e.g., we have replaced plastic Sellotape wrapping with biodegradable tape in our warehouse, we are re-using, and limiting box sizes to planned sizes to manage consumption, and have completely stopped using bubble wrap.
- Actively reducing the number of suppliers whom we deal with, and therefore reducing the number of purchase orders which we are placing and therefore the number of deliveries we receive.
- Rolled out a number of consignment stock holding arrangements which reduces the need for one off deliveries and allows for consolidated restocking orders.

Vehicles:

- Our Fleet Strategy requires we ensure new vehicle purchases, e.g., ambulances, are Euro 6, meeting EU emission standards and vehicle emission legislation and that electric, hybrid, LPG powered vehicles are considered at each procurement opportunity.
- We have further reduced our fleet from over 550 vehicles to approximately 376, disposing of hundreds of old and environmentally damaging vehicles.
- SJA purchased 12 Electric Kia support cars in 2023 – The charity was able to make this purchase with the help of a generation donation from The Medlock Group.
- SJA is compliant with Clean Air Zones nationwide, e.g., Low-Emission Zone criteria in London and many vehicles are also Ultra-Low Emission Zone compliant.
- Use of AdBlue fuel where possible, to reduce mono-nitrogen oxide emissions.

- Vehicle telematics system measures/monitors/benchmarks fuel consumption and driver behaviour to ensure enforcement of safe and environmentally friendly standards.

Transport

- St John's Expenses Policy requires employees and volunteers to use trains and other environmentally friendly forms of public transport as far as practical, and we continue to monitor and heavily encourage the use of public transport for St John business.
- We also encourage reduction of travel where possible in favour of virtual meetings and activities, so that only those that are absolutely essential to have face to face incur travel (e.g., training, operational activity, etc).
- Staff incentive to lease a full electric car through the salary sacrifice scheme set up with NHS fleet solutions.

Business Operations

- **Online/Blended Learning and eLearning** – Within our Workplace Training portfolio (e.g., First Aid, Health & Safety, Mental Health First Aid) we have introduced courses which can be delivered partially and entirely online, reducing carbon emissions through reduced venue usage, reduced travel from our trainers and courses delegates, etc.
- **Green Events** – In our provision of First Aid/Medical Cover, St John are committing to working with Events partners to deliver environmentally sustainable / green sites i.e., strict adherence to disposal of waste, reusable water bottles, etc.

Future Carbon Reduction Initiatives

In the future we hope to implement further environmental measures.

In 2019 St John was audited by the Energy Savings Opportunity Scheme (ESOS) and we are guided by their recommendations to improve our energy usage and energy carbon footprint. These and other SJA environmental and sustainability initiatives are listed below:

People:

- **Environmental Champions** – Champions will support the delivery of St John's Environmental & Sustainability Policy by raising awareness of environmental sustainability and changing conflicting behaviours and practices, drawing attention to or escalating matters to the ESSG as appropriate.
- **Energy Champions** – Champions as above with a specific focus on energy.
- **eLearning** – Introduce mandatory eLearning for inductions to promote sustainability, e.g., turning off lights, monitors, taps etc. when not in use. This is currently in development.
- **Fit for the Future** – St John is joining the Fit for the Future (FFTF) Network – an environmental sustainability network with 100+ charity/heritage organisation/cultural venue/public sector body/more members. This will facilitate knowledge sharing and collaboration with likeminded organisations and subject matter experts, collectively committed to supporting one another in reducing emissions.

Property:

- Further reviews and property disposals are planned to ensure our portfolio is fit-for-purpose and energy-efficient.
- We are consolidating our property portfolio, having identified 118 buildings for disposal, many of which are not up-to-date as far as energy efficiency is concerned e.g., old lighting, boilers, insulation etc. To date over two thirds of these have been disposed of, reducing property related

consumption / emissions, and we have identified further properties within our portfolio that can be rationalised.

- We have also open new state-of-the-art facilities, such as our ambulance hubs in Castle Donnington and Warrington, with a much cleaner footprint than our old properties.

Facilities:

- Seek a staged introduction of zero-to-landfill recycling and improvement of existing waste recycling, through a national contract.
- Increasing the number of AMRs across our property portfolio
- Continue to monitor our energy carbon footprint.
- We are actively reducing the number of printers/Multi-Functional-Devices across the charity and therefore reducing the need to print.

Procurement:

- We will ask our suppliers, during strategic account reviews, to confirm how they are reducing their emissions and working towards the Government/NHS Net Zero standards.
- We are actively reducing the use of Entonox (a pollutive) through the introduction of Pentrox.

Vehicles:

- Further develop and integrate existing monitoring systems to record and subsequently manage fleet energy efficiency, including fuel carbon footprint.
- Investigating use of fossil-free fuel "HVO100 Renewable Diesel" in our vehicles with Euro 6D compliant engines; this fuel reduces Co2 up to 90%.
- Active participation with First Hydrogen to help develop a hydrogen fuelled ambulance for the UK blue light industry.

Declaration and Sign Off


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

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard¹ and uses the appropriate [Government emission conversion factors for greenhouse gas company reporting](#)².

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard³.

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

Signed on behalf of St John Ambulance:


mark squires (Feb 9, 2024 16:26 GMT)

Mark Squires, Operational Support Director

Date:

¹<https://ghgprotocol.org/corporate-standard>

²<https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³<https://ghgprotocol.org/standards/scope-3-standard>