

# **Carbon Reduction Plan**

## **McElwaine Technical Services Limited**

### **NHS Evergreen Assessment / NHS Net Zero Supplier Roadmap Alignment**

## **1. Commitment to Achieving Net Zero**

McElwaine Technical Services Limited is committed to achieving Net Zero greenhouse gas emissions by 2040.

This Carbon Reduction Plan establishes the organisation's first formal emissions baseline and provides a framework for continual reduction of greenhouse gas emissions across Scope 1, Scope 2 and relevant Scope 3 categories.

The organisation is committed to reducing emissions through operational improvements, supplier engagement and continual environmental improvement in support of the NHS Net Zero Supplier Roadmap and wider UK Net Zero objectives.

## **2. Company Overview**

McElwaine Technical Services Limited is a specialist provider of integrity testing services and associated technologies within the food and beverage sector.

The organisation operates from a single UK site, employs 19 staff and maintains a fleet of 15 operational vehicles supporting customer activities throughout the United Kingdom and Republic of Ireland.

The organisation's Net Zero commitment applies across all operational activities under its operational control throughout Europe.

## **3. Reporting Period and Methodology**

The reporting period 2025/26 has been adopted as both the baseline year and reporting year as this represents the organisation's first formal carbon assessment.

The organisational boundary has been established using the operational control approach.

Emissions have been estimated using available operational activity data and recognised UK Government greenhouse gas conversion methodologies together with the principles of the Greenhouse Gas Protocol Corporate Accounting and Reporting Standard.

## 4. Baseline Emissions Inventory (2025/26)

<b>Emissions Source</b>	<b>tCO<sub>2</sub>e</b>
Scope 1 (Company Vehicles)	85.00
Scope 2 (Purchased Electricity)	2.00
Scope 3 (Indirect Emissions)	25.00
Total Estimated Emissions	112.00

The inventory has been derived from operational electricity consumption, vehicle fleet activity, employee commuting, business travel and other relevant operational data.

## 5. Scope 3 Breakdown

<b>Category</b>	<b>tCO<sub>2</sub>e</b>
Purchased Goods & Services	10.00
Capital Goods	2.00
Fuel & Energy Related Activities	1.00
Waste Generated in Operations	0.50
Business Travel	8.00
Employee Commuting	3.50
Total Scope 3 Emissions	25.00

McElwaine Technical Services Limited has undertaken an assessment of relevant Scope 3 categories in accordance with the Greenhouse Gas Protocol Corporate Value Chain Standard.

Categories reported as zero emissions have been assessed and determined to be immaterial due to the nature of the organisation's operations and business model. These categories will continue to be reviewed as reporting maturity improves.

## 6. Existing Carbon Reduction Measures

The organisation has already implemented a range of carbon reduction and sustainability initiatives including:

- Remote and hybrid working arrangements.
- Extensive use of video conferencing to reduce travel requirements.
- Modern vehicle fleet equipped with AdBlue emissions control technology.
- New facility incorporating LED lighting.
- Air-to-water heat pump installation.
- Recycling through local authority waste management schemes.
- Sustainable procurement practices.

- Manufacture of Green Seal® certified Optizan® hypochlorous acid products.
- Minimal manufacturing waste generation through a service-led business model.

## **7. Carbon Reduction Projects and Future Initiatives**

The organisation has identified a number of carbon reduction initiatives designed to reduce emissions across Scope 1, Scope 2 and relevant Scope 3 categories.

### **Short-Term Actions (2026–2030)**

- Establish annual greenhouse gas emissions reporting and management review processes.
- Improve fleet efficiency through route optimisation, driver awareness initiatives and reduction of unnecessary vehicle mileage.
- Reduce business travel emissions through increased use of video conferencing and remote customer engagement.
- Maintain and optimise existing low-carbon building technologies including LED lighting and air-to-water heat pump systems.
- Strengthen sustainability governance and employee awareness programmes.
- Engage key suppliers regarding environmental performance and sustainability objectives.

### **Target Outcome by 2030**

- 20% reduction in Scope 1 emissions from the 2025/26 baseline.
- 20% reduction in Scope 2 emissions from the 2025/26 baseline.
- 15% reduction in business travel emissions from the 2025/26 baseline.

### **Medium-Term Actions (2030–2035)**

- Evaluate and introduce lower-emission vehicle technologies where operationally feasible.
- Improve energy efficiency through ongoing building and equipment upgrades.
- Increase supplier engagement and encourage carbon reduction initiatives throughout the supply chain.
- Review renewable electricity procurement opportunities.

### **Target Outcome by 2035**

- 50% reduction in Scope 1 and Scope 2 emissions from the baseline year.

- 30% reduction in Scope 3 emissions from the baseline year.

### **Long-Term Actions (2035–2040)**

- Continue implementation of operational carbon reduction initiatives.
- Maximise renewable energy opportunities.
- Address residual emissions through further reduction measures and recognised carbon removal approaches where appropriate.

### **Target Outcome by 2040**

- Achievement of Net Zero greenhouse gas emissions across Scope 1, Scope 2 and relevant Scope 3 categories.

## **8. Net Zero Roadmap**

### **2026**

- Formal organisational greenhouse gas emissions baseline established.
- Carbon Reduction Plan implemented.
- Governance and annual reporting processes established.

### **2030**

- Achieve a minimum 20% reduction in Scope 1 emissions.
- Achieve a minimum 20% reduction in Scope 2 emissions.
- Achieve a minimum 15% reduction in business travel emissions.
- Strengthen supplier sustainability engagement.

### **2035**

- Achieve a minimum 50% reduction in Scope 1 and Scope 2 emissions.
- Achieve a minimum 30% reduction in Scope 3 emissions.
- Expand adoption of lower-carbon technologies.

### **2040**

- Achieve Net Zero greenhouse gas emissions across Scope 1, Scope 2 and relevant Scope 3 emissions.
- Maintain continuous improvement and transparent emissions reporting.

## **9. Governance and Responsibility**

Overall responsibility for delivery of this Carbon Reduction Plan rests with the Managing Director and Board.

Carbon performance, emissions data, reduction projects and progress against targets will be reviewed annually through formal management review processes.

Carbon reduction objectives will be incorporated into business planning, operational decision-making, procurement activities and supplier engagement programmes where appropriate.

The organisation is committed to continual improvement in emissions measurement, reporting accuracy and carbon reduction performance in line with NHS Net Zero Supplier Roadmap requirements and recognised greenhouse gas reporting standards.

## **10. NHS and Public Sector Alignment**

This Carbon Reduction Plan supports the NHS Net Zero Supplier Roadmap, Evergreen Supplier Assessment requirements and wider UK Government Net Zero objectives.

McElwaine Technical Services Limited is committed to improving the accuracy, completeness and transparency of its emissions reporting over time and supporting customers, suppliers and stakeholders in achieving sustainability objectives.

## **11. Declaration and Sign-Off**

This Carbon Reduction Plan has been prepared in good faith using available operational data and demonstrates McElwaine Technical Services Limited's commitment to continual environmental improvement and achievement of Net Zero by 2040.

Residual emissions remaining after all feasible reduction measures have been implemented will be neutralised through recognised carbon removal and offsetting mechanisms consistent with Net Zero principles.

Signed on behalf of McElwaine Technical Services Limited:

Neville McElwaine

A handwritten signature in black ink, appearing to read 'Neville McElwaine', followed by a long horizontal line extending to the right.

Managing Director

Date: 15 April 2026