

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.

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 Ireland.

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.

4. Baseline Emissions Inventory (2025/26)

Scope 1 (Company Vehicles): 85.00 tCO₂e

Scope 2 (Purchased Electricity): 2.00 tCO₂e

Scope 3 (Indirect Emissions): 25.00 tCO₂e

Total Estimated Emissions: 112.00 tCO₂e

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

Purchased Goods & Services: 10.00 tCO₂e

Capital Goods: 2.00 tCO₂e

Fuel & Energy Related Activities: 1.00 tCO₂e

Waste Generated in Operations: 0.50 tCO₂e

Business Travel: 8.00 tCO₂e

Employee Commuting: 3.50 tCO₂e

Total Scope 3 Emissions: 25.00 tCO₂e

6. Existing Carbon Reduction Measures

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

7. Carbon Reduction Projects and Future Initiatives

Short Term (2026-2030)

- Establish annual emissions reporting.
- Improve fleet efficiency and route planning.
- Reduce unnecessary travel.
- Strengthen sustainability governance.

Medium Term (2030-2035)

- Review lower-emission vehicle technologies.
- Further improve building energy efficiency.
- Expand supplier sustainability engagement.

Long Term (2035-2040)

- Continue reducing operational emissions.
- Evaluate renewable energy opportunities.
- Achieve Net Zero by 2040.

8. Net Zero Roadmap

2026: Formal emissions baseline established.

2030: Measurable reduction in fleet and energy-related emissions.

2035: Significant reduction in operational carbon footprint.

2040: Net Zero achieved across Scope 1, Scope 2 and relevant Scope 3 emissions.

9. Governance and Responsibility

Responsibility for implementation of this Carbon Reduction Plan rests with the senior management team. Progress against targets will be reviewed annually and reported through management review processes. The plan will be updated as emissions data quality and reporting maturity improve.

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.

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.

Signed on behalf of McElwaine Technical Services Limited:

A handwritten signature in blue ink, appearing to read 'Neville McElwaine', followed by a horizontal line.

Neville McElwaine
Managing Director

Date: 15 April 2026