

Introduction

Spectra recognises that as a result of its activities there are associated greenhouse gases emissions from energy use, waste procurement travel and other services. The UK climate act (2008) commits the UK to an 80% reduction of carbon emissions on 1990 levels by 2050.

Objectives

Spectra will:

- Develop a systematic, auditable Carbon Management plan which will be made publicly available.
- Monitor, review and report annually on the Carbon management plan
- Ensure continual compliance with energy related legislation, requirements and corporate commitments
- Ensure any new development contributes to the sustainable energy strategy
- Implement a programme of improvements to building fabric, services and controls to maximise energy efficiency
- Regularly monitor and review energy consumption against our reduction targets
- Ensure the necessary resources are made available to achieve these goals, cost effectively
- Manage emissions from waste, water, transport products and services, via our environmental Management system
- Develop behavior change programmes to promote an energy aware culture
- Communicate progress regularly

Responsibility

- The responsibility for continual improvement in the management and reduction of energy consumption and carbon emissions lies with the managing director and staff.
- The managing director has the responsibility for keeping the company advised of energy consumption and carbon emission issues (e.g., publication of relevant advice or reports).
- The managing director has the responsibility for formulating appropriate plans to meet your company's energy consumption and carbon emission objectives.
- All members of senior management of senior management will be responsible for ensuring that the objectives and action plans applicable to their areas of responsibility are followed appropriately.
- Managers have the responsibility for maintaining an awareness of good practices in their own area of operations and ensuring that these are followed appropriately. Managers will be assisted by staff reporting to them.
- All staff will be encouraged to support Spectra's objectives of continual improvement in the overall Carbon management objectives for the company.

Signed.....



Date: 20.01.24

Name: P. Winch

Position: Managing Director

Next revision date: January 2025



Carbon Reduction Plan

Supplier name: Spectra Analysis Services Ltd

Publication date: 20.01.24

Commitment to achieving Net Zero

Spectra is committed to achieving Net Zero emissions by 2050.

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

Baseline Year: Financial Year 2022/23 (April 1 st 2022 - March 31 st 2023)	
Additional Details relating to the Baseline Emissions calculations.	
Spectra have measured and reported Scope 1 & 2 carbon emissions through voluntary schemes since 2019-20. We have set a carbon reduction target to aim to achieve net zero carbon emissions by 2050. Scope 3 is outside of scope as no manufacturing processes undertaken	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	130 tCO ₂ e
Scope 2	10 tCO ₂ e
Scope 3 (Included Sources)	NA
Total Emissions	140 tCO₂e



Current Emissions Reporting

Reporting Year: Financial Year 2023-2024 (April 1 st , 2023 - March 31 st 2024)	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	123 tCO ₂ e
Scope 2	9 tCO ₂ e
Scope 3 (Included Sources)	NA
Total Emissions	132 tCO ₂ e

Emissions reduction targets

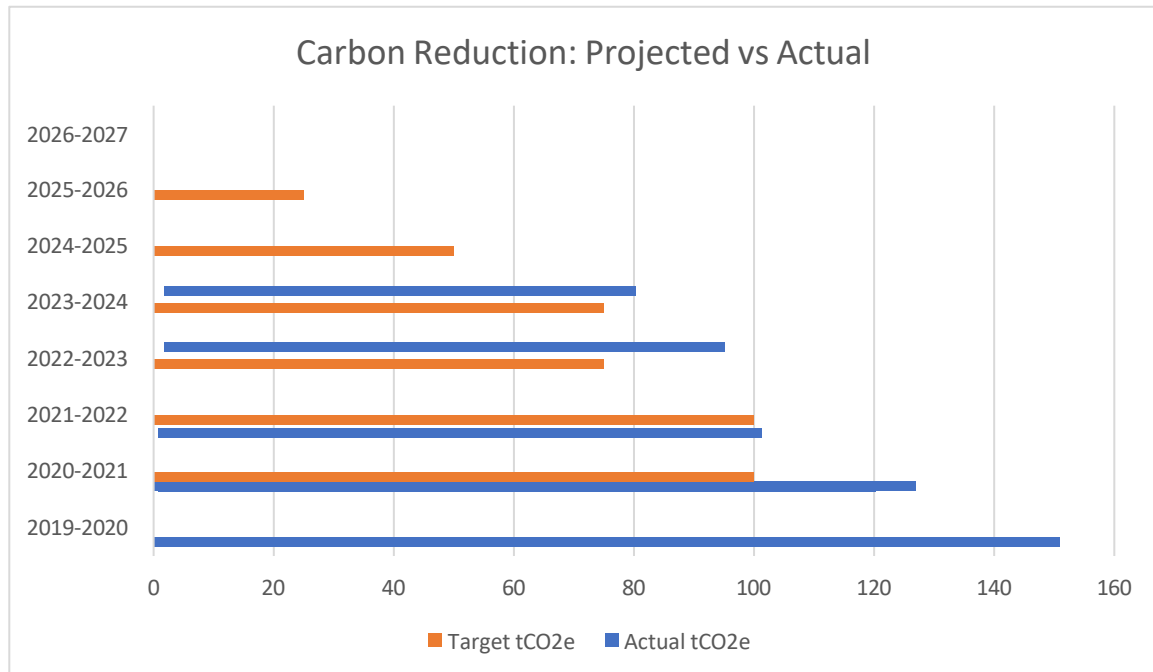
In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

All diesel site vehicles are now fitted with AdBlue which minimises harmful nitrogen oxide created in exhaust chamber of vehicles by reacting with nitrogen oxide to produce harmless nitrogen and water.

Electric vehicles are also being explored. Car sharing is also promoted and highlighted to applicable office-based staff.

We project that carbon emissions will decrease over the next five years to 100 tCO₂e by 2027. This is a reduction of 27.5% based on original baseline figures generated in 2019-2020.

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



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2019 baseline. The carbon emission reduction achieved by these schemes equate to 11 tCO₂e, a 10%ge reduction against the 2019 baseline and the measures will be in effect when performing the contract

Spectra currently hold and maintain accreditation to ISO14001:2015 and as such hold and maintain environmental management procedures that permeate through all aspects of the organisation.

In the future we hope to implement further measures such as:

- Electric vehicles: Electric vehicles are currently being reviewed.
- Further electric reduction usage processes implement inclusion of power sources switched off when not in use including lights & equipment such as PCs, laboratory equipment etc.
- Car sharing: Staff are encouraged to arrange a 'car pool' to minimise carbon emissions when travelling to work.



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](#).

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) Standard².

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

Signed on behalf of Spectra Analysis Services Ltd:

A handwritten signature in black ink, appearing to be "A. H. H.", written over a light grey horizontal line.

Date: 20.01.24
