

# GREENHOUSE GAS EMISSIONS REPORT 2024

Greenhouse Gas (GHG) Emissions of Spectra Packaging Operations for the year ending March 2024



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# ABOUT THIS REPORT

Spectra Packaging Solution Ltd 2022 Greenhouse Gas (GHG) Emissions Report. All data in this report is provided for the year ended March 2023 unless otherwise noted, this report is presented in accordance with the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition) (GHG Protocol)

## **GHG Protocol**

The GHG Protocol was established through a partnership of non-governmental organizations, governments, and other stakeholders that was convened by the World Resources Institute (WRI) and the World Business Council for Sustainable Development (WBCSD). The GHG Protocol provides a consistent standard and guidance for the measurement and reporting of GHG emissions by companies. Spectra Packaging Solutions Ltd has adopted this standard for measuring and reporting on the GHG emissions that arise from Spectra Packaging Solutions Ltd.'s business operations.

## **Department of Energy Security and Net Zero**

Spectra Packaging Solutions Ltd reports details information about its management of climate-related risks and opportunities across its business using DESNZ, an approved database to predict scope 3.

## **Management's Assertion**

Management of Spectra Packaging Solutions Ltd is responsible for the completeness, accuracy, and validity of the disclosures included in this Report for the year ended March 2024. Management is also responsible for the collection quantification, and presentation of the information included in the Report for the selection of the criteria, which management believes provide an objective basis for measuring and reporting. Management of Spectra Packaging Solutions Ltd asserts that the GHG Emission Report for the year ended March 2023 is presented in accordance with the GHG Protocol.



### Important Notes Limitations

This document includes non-financial metrics that are subject to measurement uncertainties resulting from limitations inherent in the nature and the methods used for determining such data. This Report was published in June 2023. Spectra Packaging Solutions Ltd reserves the right to update its measurement and estimation techniques and methodologies in the future. Certain information provided herein is based in part on information from third-party sources that Spectra Packaging Solutions believes to be reliable. The inclusion of information contained in this report should not be construed as a characterisation regarding the materiality or financial impact of that information.

This Report contains information about Spectra Packaging Solutions Ltd and may contain forward-looking statements, including statements related to Spectra Packaging Solutions Ltd climate and other sustainability-related strategies, plans, developments, targets, goals and expectations.

Spectra Packaging Solutions Ltd cautions that forward-looking statements are subject to numerous assumptions, risks, and uncertainties, which change over time. Forward-looking statement speaks only as of the date they were made and Spectra Packaging Solutions Ltd assumes no duty to and does not undertake to update forward-looking statements. Actual results could differ materially from those anticipated in forward-looking statements and future results could differ materially from historical performance.

# APPROACH TO MEASURING GHG EMISSIONS

## Organisation

The Organisation was formed in October 2007 by the current Directors to design, develop and manufacture plastic components for the toiletries and cosmetics industry. Spectra Packaging Solutions Ltd has approximately 180 employees and is a UK-based company.

The company's 14.3-acre site is sympathetically set within trees and fields on the outskirts of Halesworth, Suffolk. The unobtrusive purpose-built factory benefits from many energy-saving features and has been designed with the environment in mind.

Spectra Packaging Solutions Ltd only uses electricity as its primary fuel source and procures this on a green tariff.

## Base Year

The base year for Scopes 1,2, and 3 is April 2023 – March 2024

## Emissions Reported

This Report includes location-based and market-based conversion factors for carbon emissions.

The operational carbon footprint was determined as follows:

### Scope 1:

using invoiced consumption data for fuel purchased for vehicles emissions calculatons

### Scope 2:

using invoiced consumption data for electricity.

### Scope 3:

this was estimated using the spend-based analysis permitted in the GHG Protocol guidelines using a mode approved by the DESNZ.



## Carbon Footprint

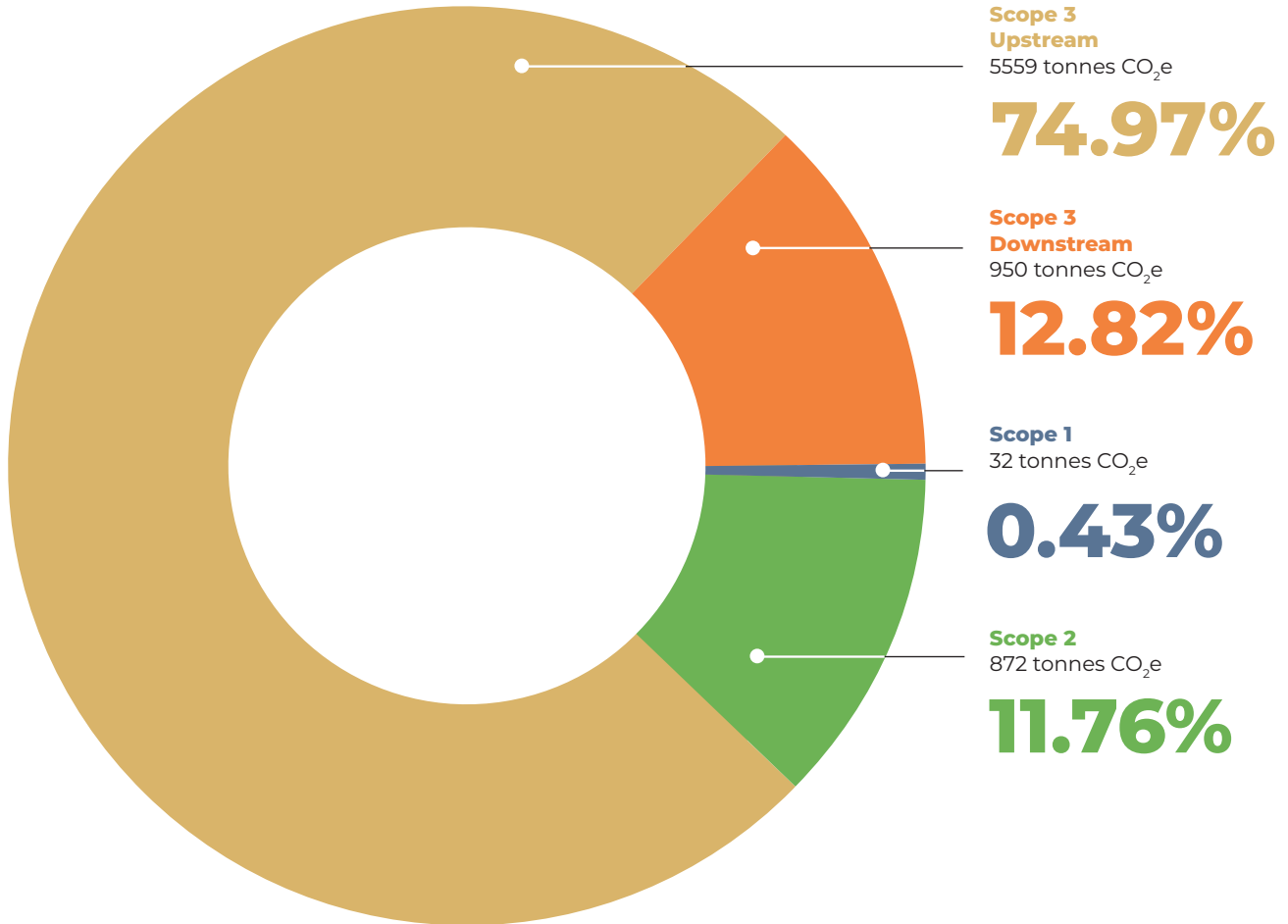
Operational (Scope 1) carbon footprint is:	<b>32 tonnes CO<sub>2</sub>e per annum</b>
Operational (Scope 2) carbon footprint is:	<b>872 tonnes CO<sub>2</sub>e per annum (location-based)</b> <b>0 tonnes CO<sub>2</sub>e per annum (market-based)</b>
The wider Supply chain (Scope 3) carbon is:	<b>875 tonnes CO<sub>2</sub>e per annum.</b>

### What are the differences between location-based footprint and market-based footprint analysis?

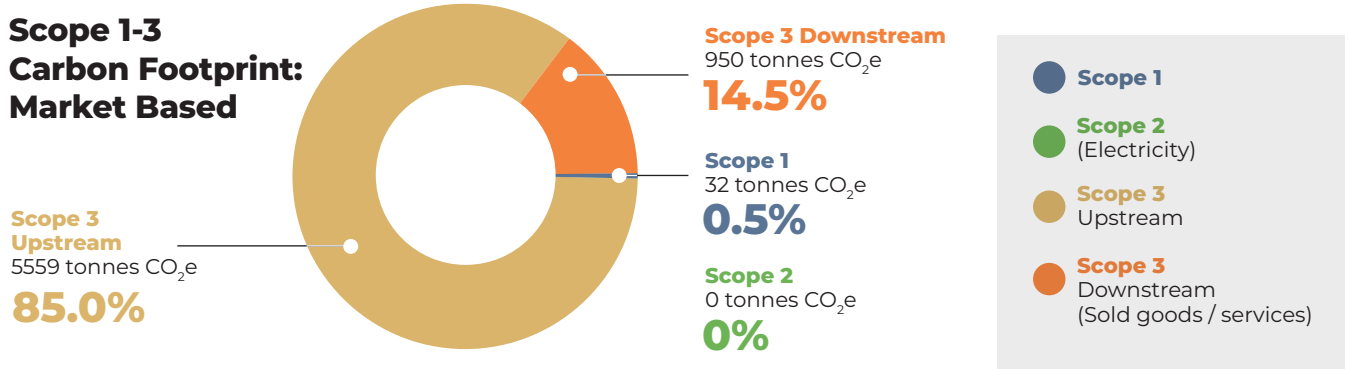
Location-based carbon footprint focuses only on the direct greenhouse gas emissions an organisation produces within its own boundaries.

On the other hand, market-based carbon footprint considers both direct and indirect greenhouse gas emissions resulting from an organisation's activities, including those generated by other entities within their supply chain.

## Scope 1-3 Carbon Footprint: Location Based



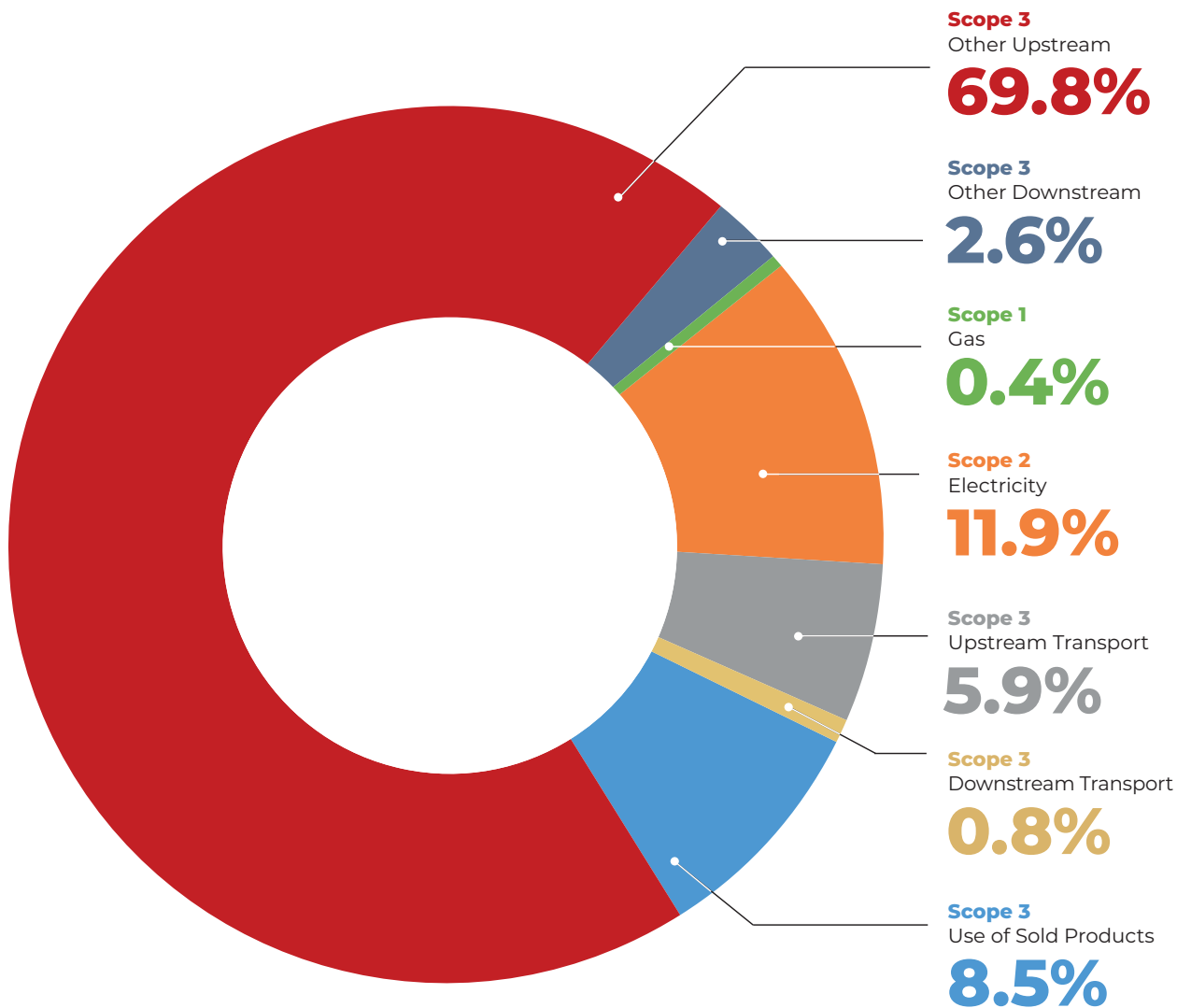
## Scope 1-3 Carbon Footprint: Market Based



- **Scope 1**
- **Scope 2**  
(Electricity)
- **Scope 3**  
Upstream
- **Scope 3**  
Downstream  
(Sold goods / services)

## Spectra Categorisation of GHG Emissions

The GHG Protocol requires categorisation of scope 3 into 15 categories, not all of which apply to Spectra's business type, hence the analysis is as shown below.



Spectra has rapidly established itself as a leading independent supplier for innovative, high-quality rigid plastic packaging.

Our energetic and flexible approach has ensured lasting relationships with many leading high street brands within the toiletries, cosmetics and personal care sectors.

We can offer an extensive range of standard containers to choose from and an in-house custom tooling facility to provide bespoke designs. Additionally, we can provide environmentally responsible solutions in PCR (Post-Consumer Recycled) and Biopolymer.

Brands need not look further for innovative decoration either, Spectra boasts a dedicated in-house decoration department, offering an array of print finishes.

We also make closures for customers seeking a complete packaging solution, with everything produced at our purpose-built manufacturing plant in Suffolk.

**Our in-house services include:**

- An extensive range of standard designs
- Custom Moulding Solutions
- Environmentally Responsible Packaging
- Decoration and Finishing
- Colour Matching



[www.spectra-packaging.co.uk](http://www.spectra-packaging.co.uk)

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