

## CARBON EMISSIONS REPORT 2024

Reporting Period: April 2023 to April 2024

### 1. Introduction:

Marisco South Limited acknowledges the importance of environmental sustainability and recognises the need to address its carbon emissions as per our commitment to ISO 14001. This report presents the findings of our carbon emissions assessment, outlining the sources and magnitudes of emissions across our operations.

### 2. Scope and Methodology:

The scope of this assessment encompasses Scope 1, Scope 2, and selected Scope 3 emissions associated with our business activities. Data collection involved gathering information on energy consumption, fuel usage, transportation, waste generation, and other relevant activities. Emissions calculations were based on recognised emission factors and methodologies.

### 3. Defining Emissions Sources:

Scope 1: Direct emissions from sources owned or controlled by Marisco South Limited.

- Combustion of fuels for vehicles.
- Combustion of fuel from hired machinery.
- Combustion of fuel from tools.
- On-site processes contributing to emissions.
- Contribution of CO2 from Waste Disposal.

Scope 2: Indirect emissions from purchased electricity consumption.

- Use of energy at our Head Office premises.

Scope 3: Indirect emissions from sources not owned or controlled by Marisco South, including:

- Combustion of fuel from commuting to places of work.
- Supply chain activities.

#### 4. Data Analysis:

Data was gathered using systems implemented by accreditation with ISO 14001, as per the data tables below.

Based on our assessment, the primary contributors to carbon emissions include:

- Fuel combustion for vehicles.
- Electricity consumption at Head Office Premises.
- Business travel and employee commuting.

#### 5. Results:

The total carbon emissions for Marisco South Limited during the reporting period were **269.81** metric tons of CO<sub>2</sub>e.

#### Breakdown by Scope:

Reporting period 2023 - 2024	Metric tons of CO <sub>2</sub> e
<b>Scope 1</b>	
Emissions from vehicle fuel usage.	211.56
Emissions from hired machinery.	unknown
Emissions from Waste Disposal – Recyclable.	26.88
Emissions from Waste Disposal – Non-Recyclable.	21.98
	<b>Sub-total: 260.42</b>
<b>Scope 2</b>	
Emissions from Energy Consumption in the Office.	0.37
Emissions from charging batteries on our Sites.	0.47
	<b>Sub-total: 0.84</b>
<b>Scope 3</b>	
Emissions from Commuting.	8.55
Supply chain emissions.	unknown
	<b>Sub-total: 8.55</b>

#### 6. Findings and Opportunities:

Key findings from our assessment include:

- Significant emissions from fuel combustion contribute to most of our carbon footprint. This is prompting more exploration into electric vehicles.
- Positive approach to recycling with over 80% of total waste recycled.

- Opportunities exist to reduce emissions through energy efficiency improvements, alternative transportation options, and supply chain optimisation.
- More work is required to understand the carbon footprint of our supply chain and there are opportunities to gather data and create positive relationships within Procurement to influence change.

## 7. Recommendations:

To address our carbon emissions and work towards sustainability goals, we recommend:

- Implementing energy efficiency measures, such as upgrading equipment and optimising heating systems.
- Promoting alternative transportation options for employees, such as carpooling or remote work.
- Engaging with suppliers to reduce emissions throughout the supply chain.
- Investing in renewable energy sources to offset carbon emissions.
- Implementation of electric vehicles in the fleet.
- Installation of an EV charger at the Head Office Premises.

## 8. Conclusion:

Marisco South Limited is committed to reducing its carbon footprint and implementing sustainable practices. By addressing our carbon emissions and embracing opportunities for improvement, we aim to contribute to a more environmentally responsible future.

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Date: 22 March 2024