



M.H. ENTERPRISES LLC GROUP

M.H. ENTERPRISES LLC

Plot No, 3680549, 428 Street, Al Quoz Industrial Area 3, P.O. Box 5771, Dubai, United Arab Emirates.

GROCERS L.L.C

Plot No.38, 28B, Al Quoz Industrial Area 3, P.O.Box 6605, Dubai, United Arab Emirates.

M H E INTERNATIONAL FOOD INDUSTRIES L.L.C

Plot No.597-588, Dubai Investment Park #2, P.O. Box 5771, Dubai, United Arab Emirates.

GHG EMISSION REPORT



Form No : MH-ESG-GHGER-F-690

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Overview

MH is a distributor of FMCG goods across the UAE. This report summarizes our greenhouse gas (GHG) emissions inventory and carbon footprint quantification for 2024 following the GHG Protocol Corporate Standard methodology.

Introduction

MH, headquartered at Dubai, UAE, is a very trusted name and is in forefront of FMCG Distribution across the region for over the past 4 decades. An exponentially growing company in the Middle East, we deal with a wide range of leading global FMCG brands – both in Food and Non-Food categories. We have a predominant presence in the market place catering all segments of businesses like Retail – Hypermarkets, Supermarkets, Groceries, Wholesale, Exports and Food Service (HORECA) sectors throughout UAE, Oman and other GCC Countries.

M.H. Group of Companies began the journey with the establishment of M.H. Enterprises in 1977, in a humble way, distributing food products in UAE. Mr. Hem Chand Gandhi, Founder and Managing Director of M.H. Group of Companies, is a visionary who has built this Business Empire with a strong desire and drive from the time he arrived in Dubai during 1962. Today, apart from FMCG distribution, M.H. Group is also into Industrial and Food Chemicals distribution. M. H. Group entities includes:

- **MH**
- **Grocers L.L.C**
- **M H E INTERNATIONAL FOOD INDUSTRIES L.L.C**

Each company is an independent Strategic Business Unit. M.H. Enterprises – the flagship entity, has branches in every UAE Emirate. It also has business presences in Maldives and Seychelles. The group has evolved and grown into a 1000+ strong workforce spread across UAE.

Organizational Boundaries

MH Enterprises defines its organizational boundaries for GHG reporting based on operational control. This approach includes all emissions from operations and facilities over which the company has operational control, regardless of their legal ownership structure.

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In this case, the report covers emissions from all Three sites under MH's direct financial and operational control. These sites include:

- **MH**
- **Grocers L.L.C**
- **M H E INTERNATIONAL FOOD INDUSTRIES L.L.C**

Reporting Boundaries

This GHG emissions report encompasses Scope 1 and Scope 2 emissions, along with the following Scope 3 categories relevant to MH Enterprises' operations: (i) Purchased Goods and Services; (ii) Capital Goods; (iii) Fuel and Energy-Related Activities; (iv) Upstream Transportation and Distribution; and (v) Waste Generated from Operations. With available data, these categories have been identified by MH Enterprises as significant contributors to its overall carbon footprint.

The GHG emissions data provided in this report cover carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O) emissions resulting from electricity and fuel consumption, as well as hydrofluorocarbons (HFC) emissions from refrigerants used within MH Enterprises' operational boundary. MH Enterprises does not currently have data on emissions of perfluorocarbons (PFCs), sulfur hexafluoride (SF₆), or nitrogen trifluoride (NF₃) within its operational scope.

MH Enterprises has utilized the 100-year Global Warming Potentials (GWPs) obtained from the Intergovernmental Panel on Climate Change (IPCC) Sixth Assessment Report (AR6) for converting Scope 1 fuels and Scope 2 emissions, unless otherwise specified. For Scope 1 refrigerants and Scope 2 electricity emissions factors specific to United Arab Emirates, MH Enterprises has employed GWPs obtained from IPCC reports. Additionally, for Scope 3 emissions factors related to Purchased Goods and Services, Capital Goods, Fuel and Energy-Related Activities, Upstream Transportation and Distribution, and Waste Generated from Operations. MH Enterprises has utilized a combination of AR4, AR5, and AR6 depending on the availability of gas-by-gas breakdown in the emission factor source data. Wherever possible, updates have been made to AR6, but in cases where this information is unavailable, GWPs embedded in the available emissions factors have been used.

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Organizational boundary

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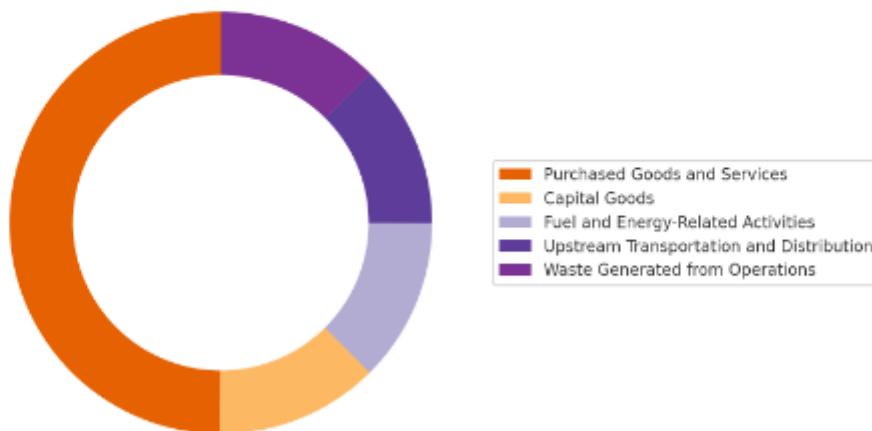
Calculation period: 1st January 2024 to 31st December 2024

All values are in MT CO₂ e

Emissions Data

Scope	Emission tCO ₂ e	%
Scope 1	4771.242	0.110
Scope 2	1038.819	0.025
Scope 3	2100607.389	49.93
Scope 3 Upstream GHG emissions	735212.589	17.48
Scope 3 Downstream GHG emissions	1365394.8	32.46
Total Emission	4207024.83	100%

Scope 3 Emissions



Emissions were quantified using the location-based method and source-specific emission factors from UPCC and GHG Protocol. Activity data was obtained from utility bills, fuel purchase logs, equipment specifications, GRNs, and refrigerant recharge records. Sea transport emissions were estimated using port-to-port distances obtained from www.shiptraffic.net-Sea Distance Calculator.

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Air transport emissions were calculated based on distances retrieved from Google Maps. Land transport emissions were also determined using Google Maps, with distances calculated from origin locations to the AI Quiz MH Enterprises warehouse.

Scope	2024 Baseline Emissions (tCO ₂ e)	Current Internal Target	SBTi-Aligned Target (Near-term)	Reduction Goal by Year	Key Levers
Scope 1 (Direct emissions – fuel, refrigerants, vehicles)	4,771	3% in 3 years	42% reduction by 2030 (1.5°C pathway)	2030	Refrigerant leak detection & replacement, route optimization, EV/hybrid transition, efficient logistics fleet
Scope 2 (Purchased electricity)	1,039	40% renewable by 5 years	100% renewable electricity by 2030 (market-based)	2030	Solar rooftop PV expansion, PPAs with solar providers, efficiency upgrades
Scope 3 (Value chain – purchased goods, transport, waste, etc.)	2,100,607	2% in 7 years	25% reduction by 2030 (well-below 2°C pathway; ambition for 1.5°C requires ~28–30%)	2030	Supplier engagement, low-carbon logistics, packaging redesign, waste reduction, collaboration with shipping partners
Total (Scopes 1+2+3)	2,106,418	—	~30% absolute reduction by 2030 vs baseline	2030	Integrated low-carbon procurement, circular economy practices, sustainable transport

Moving Forward

In 2024, we will focus on improving data collection processes in calculating Scope 3 category 6, 7 emissions. MH Enterprises is committed to minimizing its environmental impact and reducing its greenhouse gas (GHG) emissions throughout its operations. We are implementing a comprehensive sustainability strategy focused on ambitious yet achievable targets for Scope 1, 2, and 3 emissions.

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**Scope 1:**

Target: Reduce Scope 1 emissions by 3% within the next 3 years.

Strategies:

- Implement a refrigerant leak detection and repair program to minimize refrigerant loss from our cooling systems.
- Optimize vehicle routing and scheduling to reduce travel distances and fuel consumption for logistics operations.
- Explore engine optimization technologies to improve fuel efficiency and reduce emissions of our vehicles.

Scope 2:

Target: Increase the share of renewable energy in our electricity mix from 27% to 40% within the next 5 years.

Strategies:

- Install additional on-site solar panel systems at our facilities to generate renewable power.
- Investigate and adopt renewable energy procurement options such as Power Purchase Agreements (PPAs) with solar power producers.

Scope 3:

Target: Reduce Scope 3 emissions by 2% within the next 7 years.

Strategies:

- Implement waste minimization initiatives across all operations, focusing on source reduction and reuse of materials.
- Enhance recycling programs to increase the diversion of waste from landfills and promote circularity in our resource use.

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Monitoring and Reporting:

MH Enterprises will monitor progress towards these targets through regular data collection and analysis. We will transparently report on our progress and achievements in future sustainability reports. Beyond these specific targets, we are also actively exploring additional opportunities to reduce our environmental footprint, such as:

- Implementing energy efficiency upgrades in our facilities.
- Investing in research and development of low-carbon technologies.
- Engaging with our suppliers and partners to encourage more sustainable practices throughout the value chain.

References

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