SCIENCE-BASED TARGETS REPORT

Messianic Clothing Pvt. Ltd.

B-18, HOSIERY COMPLEX, PHASE-II EXTENSION, NOIDA, Gautam Buddha Nagar, Uttar Pradesh

CONTENTS

INTRODUCTION

This report presents the Science-Based Targets initiative (SBTi) alignment for Messianic, analyzing greenhouse gas (GHG) emissions for 2023 and 2024, with 2023 as the base year. It includes short-term and long-term strategies to reduce Scope 1, 2, and 3 emissions, aiming for a low-carbon transition in line with the GHG Protocol and CDP reporting standards.

ALIGNMENT WITH THE 1.5°C PATHWAY

- The 1.5°C pathway refers to the global goal of limiting temperature rise to 1.5°C above pre-industrial levels, as outlined in the Paris Agreement.
- The Science-Based Targets initiative (SBTi) encourages companies to set targets in line with this trajectory, ensuring that their emissions reductions contribute to global climate action.
- The SBTi continues to play a pivotal role in guiding corporate climate action, providing a framework for companies to align their strategies with the goals of the Paris Agreement.

HOW COMPANIES ALIGN WITH THE 1.5°C PATHWAY IN SBTI REPORTING

Setting Near-Term Science-Based Targets (SBTs)

Reduce absolute Scope 1 & 2 emissions by at least 42% by 2030.

Address Scope 3 emissions if they make up >40% of total emissions.

Setting Long-Term Net-Zero Targets

Choosing Approved Decarbonization Pathways

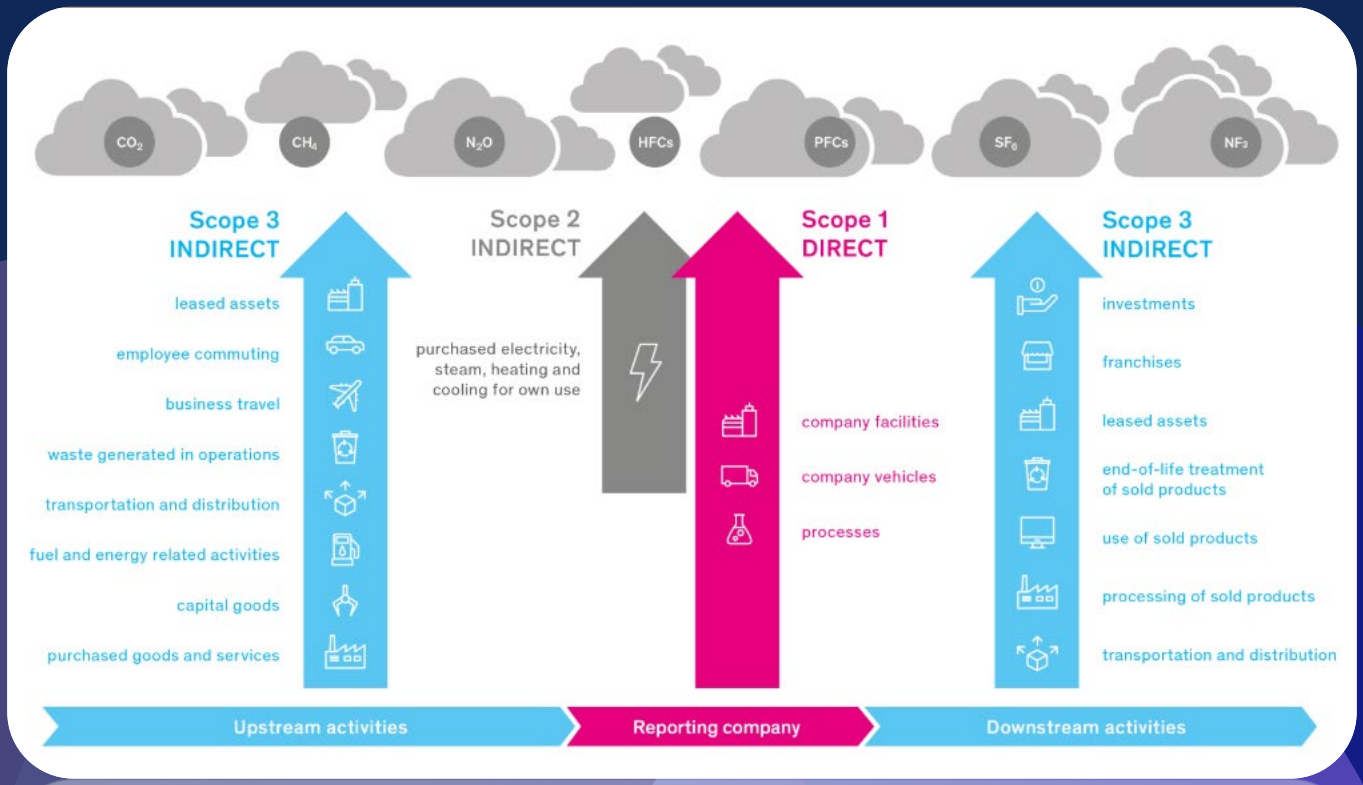
Transition to 100% Renewable Energy

Implement Carbon Reduction Strategies

Tracking & Reporting Progress

As of the end of 2023, over 4,000 companies and financial institutions have committed to setting science-based emissions reduction targets validated by the Science Based Targets initiative (SBTi).

Companies adopting science-based targets have demonstrated substantial progress in reducing greenhouse gas emissions.



GHG EMISSION INVENTORY 2023 & 2024

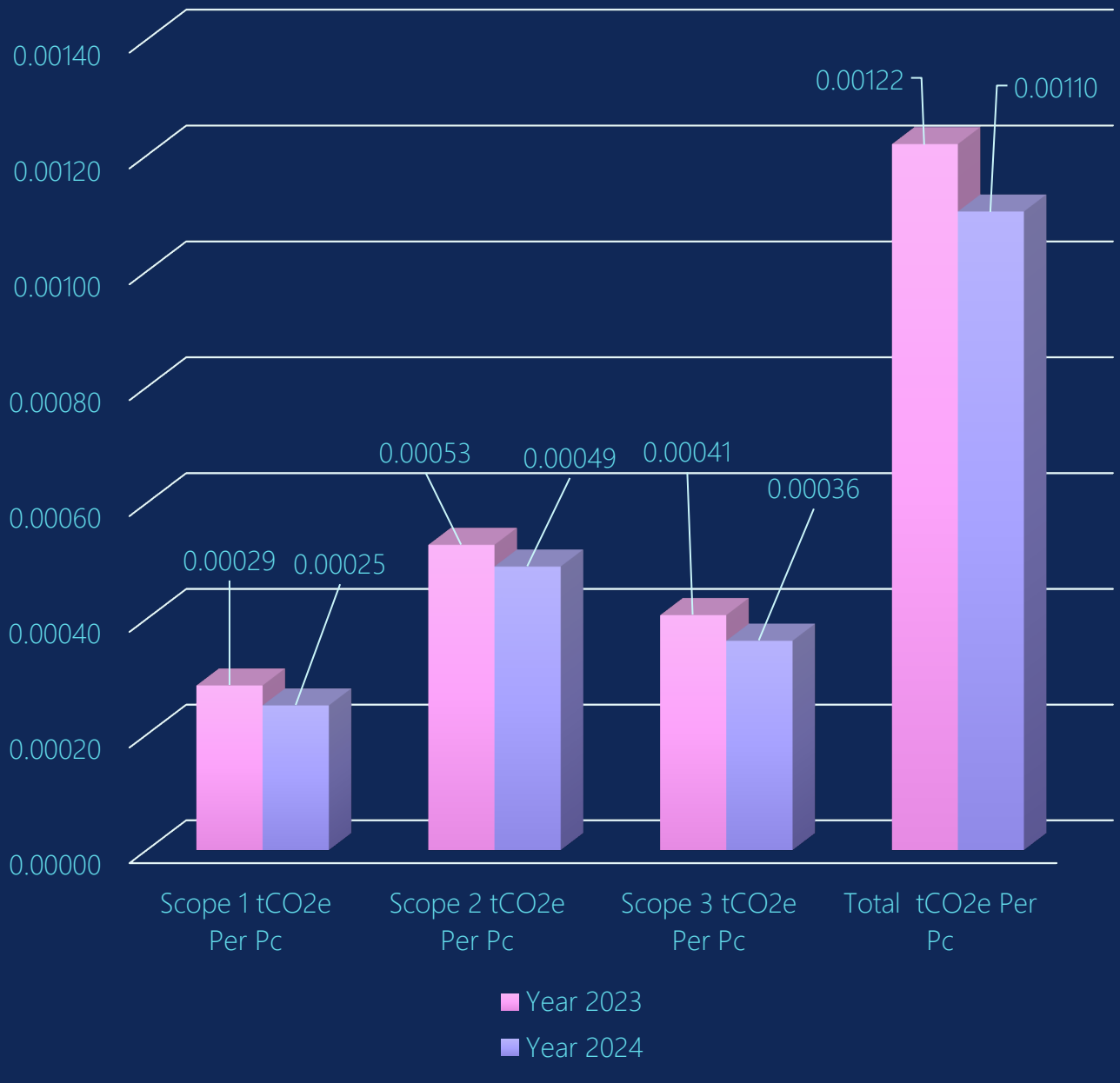
GHG EMISSION INVENTORY 2023 & 2024

Absolute	Scope 1 tCO2e	Scope 2 tCO2e	Scope 3 tCO2e	Total tCO2e
Year 2023	170.90	316.46	243.75	731.11
Year 2024	176.19	344.97	254.83	775.99

Normalised	Scope 1 tCO2e Per Pc	Scope 2 tCO2e Per Pc	Scope 3 tCO2e Per Pc	Total tCO2e Per Pc
Year 2023	0.00029	0.00053	0.00041	0.0012
Year 2024	0.00025	0.00049	0.00036	0.0011

Accounting and reporting: Green Compliance Services
Data Verification: Mr. Rajiv Chaturvedi

GHG EMISSION INVENTORY



KEY FINDINGS

- Increase in Total Emissions: The overall emissions grew by 6.1% from 2023 to 2024. The primary contributors to this increase are Scope 2 and Scope 3, which may point to growing energy consumption or changes in operations and supply chains.

- Scope 1 Emissions: The 3.1% increase in direct emissions (Scope 1) is relatively low, suggesting that on-site emissions are being better controlled or have increased at a slower rate. However, you should still monitor any activities contributing to these emissions, such as fuel consumption, fleet expansion, or industrial processes.

- Scope 2 Emissions: The 9.0% increase in Scope 2 emissions indicates a notable rise in energy consumption or a less favorable energy mix. This could be an area to focus on for emissions reduction. Switching to renewable energy sources or improving energy efficiency could help mitigate the impact of Scope 2 emissions.

- Scope 3 Emissions: The 4.5% increase in Scope 3 emissions suggests that indirect emissions from the supply chain, transportation, and other activities outside your direct control are growing. To mitigate this, consider engaging suppliers to reduce their emissions, optimizing logistics, or promoting sustainable practices across the value chain.

WHAT ARE SCIENCE-BASED TARGET COMMITMENTS

Science-based targets (SBTs) are greenhouse gas (GHG) reduction goals set by companies in line with the latest climate science to limit global warming to well below 2°C, preferably 1.5°C, as per the Paris agreement. These targets must be validated by the science-based targets initiative (SBTi).

- 5 to 10-year emission reduction goals
- Complete Scope coverage – Scope 1, 2 and 3
- Enhancement of energy efficiency
- Adoption of renewable energy
- Aim for at least 90-95% absolute emissions reduction by 2050

SHORT-TERM GOALS

2025 – 2028

Energy Efficiency & Electrification:

- Install programmable AC savers, which can reduce the power consumption of these units by up to 25%..
- Implement LED lighting and motion sensors.
- Replace diesel-powered equipment with natural gas.

Renewable Energy Integration:

- Procure renewable electricity via Power Purchase Agreements (PPAs).
- Install solar PV facility.

Freight & Logistics Optimization:

- Optimize transport routes to reduce fuel consumption.

LONG-TERM GOALS

2027
–
2032

100% Renewable Energy Transition:

- Phase out fossil fuel energy and fully transition to renewable electricity.

Carbon Neutrality:

- Implement carbon offset programs.
- Invest in carbon capture technology.

Water Efficiency Measures:

- Install water recycling and rainwater harvesting systems.
- Reduce water usage per unit washed through process optimization.

Employee Commute Reduction:

- Implement carpooling programs and incentivize public transportation.

SUMMARY

- This report outlines the greenhouse gas (GHG) emissions profile of Messianic Clothing Pvt. Ltd. assessing Scope 1, 2, and 3 emissions for 2023 (base year) and 2024.
- It establishes short-term (2025-2028) and long-term (2027-2032) reduction strategies, aligning with the Science-Based Targets initiative (SBTi) and global decarbonization pathways.

EMISSION REDUCTION STRATEGIES

SHORT–TERM GOALS

Short-Term Targets (2025-2028)			
Goal	Scope	KPI	Target (2028)
Improve Energy Efficiency	Scope 1	% reduction in fuel consumption per unit of production	15% reduction
Optimize Logistics & Transportation	Scope 3	Increase in low-carbon transport modes (%)	15% reduction
Implement Renewable Energy Procurement	Scope 2	% of total electricity from renewables	Procure 20% electricity from renewable sources

LONG–TERM GOALS

Long-Term Targets (2027-2032)			
Goal	Scope	KPI	Target (2032)
Transition to electric operations	Scope 1	% of electric vehicles & machinery	50% reduction
Achieve 100% renewable energy	Scope 2	% of renewable electricity usage	100% adoption
Net-Zero GHG Emissions Target	Scope 3	• Carbon offsetting initiatives • % reduction vs. base year	Net-zero target

CONCLUSION

- By implementing these strategies, the unit aims to significantly reduce its emissions and align with SBTi targets.

- Continuous monitoring and periodic reassessment will ensure progress toward a low-carbon future.

- By following these strategies, the company aims to align with SBTi's 1.5°C pathway, reducing its climate impact and ensuring sustainable business growth.

END OF REPORT

Complied by
Green Compliance Services