

**GHG
Emissions
Inventory
Report - FY24**

**PLANET
FIRST.**

CRAFTED WITH CARE

Page No.

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1. Introduction

Featherlite, a distinguished name in the furniture manufacturing industry since 1965, is proud to present its GHG Emissions Inventory Report for FY24. Our longstanding commitment to delivering high-quality furniture and workspace solutions has established us as a trusted partner for clients, enterprises, and corporates across the globe. We continuously strive to meet and exceed international standards in quality, environmental sustainability, employee safety, and energy efficiency. Our dedication is exemplified by our ISO certifications:



9001 : 2015



14001 : 2015



45001 : 2018



50001 : 2018



1.1 Our Commitment to Sustainability

In alignment with our core values, Featherlite has made significant strides in sustainable manufacturing practices. Our adoption of solar energy has substantially reduced our carbon footprint, showcasing our dedication to utilising renewable energy sources. The implementation of green building-rated facilities further underscores our commitment to eco-friendly manufacturing processes. These facilities are designed to minimise environmental impact through the use of sustainable materials, innovative design features, and advanced construction techniques.

Ongoing Initiatives

Featherlite is dedicated to reducing its carbon footprint through a series of comprehensive sustainability initiatives. We are significantly increasing the proportion of renewable energy used in our operations. Adopting electric vehicles (EVs) for our transportation needs is a crucial step towards lowering emissions. Additionally, we are exploring biofuels as a viable alternative to traditional fossil fuels. Improving the emissions footprint of our value chain partners is also a key strategy. By collaborating closely with suppliers and partners, we aim to align our entire supply chain with our sustainability goals.

Future Goals

Our GHG Emissions Inventory Report for FY24 reflects an ongoing dedication to transparency and continuous improvement. This year, we have enhanced our data quality and adopted a more systematic approach to data collection. These advancements will enable us to provide more accurate and insightful reporting. Moving forward, we remain committed to achieving Green Growth, ensuring that our value creation preserves natural resources and environmental services for future generations. Our journey towards sustainability is ever-evolving, and we are dedicated to making meaningful progress each year.



1.2 Executive Summary

Planet First: Crafted with Care

At Featherlite, our guiding principle, "Planet First: Crafted with Care," reflects our deep-seated commitment to sustainability at the heart of everything we do. This philosophy extends beyond mere practices—it is woven into the fabric of our identity, underscoring our dedication to the planet and its people. Our initiatives, rooted in the United Nations Sustainable Development Goals (SDGs), are deliberate and thoughtfully designed to pave our way towards net zero emissions.

We recognize that our responsibility to the environment is not just about reducing our carbon footprint but also about nurturing a sustainable future through conscientious business practices. Each step we take is meticulously planned to ensure it aligns with our core values of care for the environment and a proactive approach to climate action. This commitment is evident in our comprehensive GHG Emissions Inventory, which reflects not only our current achievements in sustainability but also our ongoing commitment to improvement and transparency.

Planet First: Crafted with Care

We promise to continue our journey with diligence and passion, ensuring that every aspect of our operations contributes positively towards a more sustainable and equitable world for all.



Emissions Reductions

In 2022, we established a climate roadmap aimed at reducing our greenhouse gas (GHG) emissions and assisting our clients in doing the same. This report details the outcomes of our systematic efforts, with FY22 serving as the base year. It includes the creation of our emissions inventory and an analysis of emission trends over the past three years, underscoring our commitment to achieving net-zero emissions by 2040. We have also made significant global commitments and disclosures through platforms such as the Science Based Targets initiative (SBTi) and the Carbon Disclosure Project (CDP).

We have meticulously quantified relevant Scope 3 emissions categories in this GHG Emissions Inventory Report, showcasing our dedicated effort towards achieving net zero emissions.

Featherlite's Scope 1 and 2 carbon footprint for the reporting year is

1,342.89 tCO₂e

Scope 3 Emissions

55,266.26 tCO₂e

Our analysis of Scope 1 and 2 performance has resulted in the following conclusions.

-27.48%

Reduction in Emissions Intensity (Scope 1+2) over Baseline Year FY22

32.24%

Renewable Energy Utilised in Operations



1.3 Climate Action

Environment



Social



Governance



Aligning with the UN SDGs

Every step we take at Featherlite is guided by the United Nations Sustainable Development Goals (SDGs). These goals inspire us to address global challenges like climate change, inequality, and environmental degradation. By aligning our business practices with these goals, we aim to contribute to a sustainable future.

The Path to Net Zero

Our journey towards a net zero carbon footprint is not just a goal; it's a promise to future generations. Featherlite is dedicated to reducing our greenhouse gas emissions through renewable energy, energy-efficient practices, and innovative technologies. Our target is ambitious but achievable: to reach net zero emissions by 2040.

Our Strategy

We're making this happen by:

01

Switching to Renewable Energy:

Solar and wind energy are becoming the backbone of our operations.

02

Improving Energy Efficiency:

We're continuously optimising our processes to reduce energy consumption.

03

Supporting Carbon Offsetting:

We invest in projects that restore forests and promote clean energy.



Our target commitment to reduce Scope 1 and Scope 2 GHG emissions by 42% by 2030 has been validated by



Disclosing environmental data through



Our Commitment to Net-Zero Carbon by 2040

Committed to Climate Action

Climate action is more than a commitment; it's our responsibility. We believe that every business has a role to play in tackling climate change. Our climate action plan includes:

- **Eco-friendly Product Design**
Creating products that are not only high-quality but also environmentally sustainable.
- **Zero-Waste Policy**
Striving for a zero-waste production process and promoting recycling initiatives.
- **Community Engagement**
Partnering with local communities to drive climate action and awareness.



1.4 About this Report

Featherlite is pleased to present its GHG Emissions Inventory Report for FY 2024, underscoring our steadfast commitment to sustainability and environmental stewardship.

This report meticulously adheres to the 'Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)', a globally recognized framework developed by the World Resources Institute (WRI) and the World Business Council for Sustainable Development (WBCSD). This standard is widely adopted by leading organisations worldwide for its robustness in capturing and reporting greenhouse gas emissions, ensuring transparency and comparability in sustainability performance.



Our report provides a comprehensive analysis encompassing scope 1, scope 2, and scope 3 emissions within our operational boundaries. This holistic approach enables us to account for all direct and indirect emissions across our value chain, including those from activities like employee commuting, business travel, and waste disposal. By adhering to the GHG Protocol, we aim to set a benchmark for rigorous environmental reporting, demonstrating our commitment to accountability and continuous improvement.

In our pursuit of transparency and accuracy, Featherlite is currently engaging a reputable third-party sustainability consultancy to verify the precision and completeness of our emissions data. This collaborative effort ensures that our GHG emissions report meets the highest standards of reliability and credibility, providing stakeholders with a clear understanding of our environmental impact. Moving forward, this foundational report will guide our strategic initiatives to achieve ambitious emission reduction targets and advance our overall sustainability goals, aligning with global best practices in GHG emissions inventory reporting.



1.5 GHG Inventory Objectives

Frequency of Publication of Report

Featherlite publishes its GHG Inventory Report annually, having started last year. Available on our website, the report communicates our baseline GHG inventory and tracks progress towards improvement targets, informing investors, staff, and stakeholders while aligning with climate-related disclosure standards.

Person or Entity Responsible

Featherlite's GHG Inventory Report is overseen by the Board's Sustainability Oversight Committee. Directed by the Sustainability Director, the report's development involves collaboration with Featherlite's dedicated sustainability professionals, finance experts, and operational teams, alongside department heads and employees across all company facilities.

Base Year

For Featherlite, the base year for the GHG Inventory Report was set from April 1, 2021, to March 31, 2022 (FY22), marking our initial global GHG inventory publication. This period served as the benchmark for establishing future GHG reduction targets, with reporting now focused on FY24.



Base Year Recalculation

In line with best practices outlined by the GHG Protocol, it is our responsibility to ensure that all reported emissions data are accurate and reflective of the current operational and organizational boundaries. During the latest review and calculation of our FY24 emissions, it came to our attention that certain corrections were required for historical data, necessitating a recalculation of the base year (FY22) emissions.

Reason for Recalculation

- **Data Revisions:** Historical emissions data has been updated to improve accuracy.
- **Boundary Updates:** Adjustments were made to accurately reflect the facility classification within the organizational structure.

Impact on Base Year

As a result of these changes, the base year (FY22) and subsequent years' emissions have been recalculated to ensure accuracy and comparability. The recalculated base year emissions for FY22 are 868.08 tCO₂e. These updates do not affect our emissions reduction efforts but provide a more reliable baseline for measuring future progress.

Commitment to Transparency

We remain committed to transparent reporting. All changes have been thoroughly reviewed to ensure accuracy and consistency with our ongoing sustainability goals.

Business Goals



Accurately measure and track greenhouse gas emissions.



Enhance overall sustainability performance.



Demonstrate commitment to achieving net-zero emissions by 2040.



Ensure transparency and accountability in sustainability practices.



Engage stakeholders and build trust through verified emissions data.



Inform strategic decision-making for sustainable growth.



Align with regulatory requirements and industry standards.

2. Boundaries

The relevance of an organisation's GHG Emissions Inventory Report hinges on its ability to provide essential information that meets the needs of both internal stakeholders and external users for informed decision-making. Central to this relevance is the thoughtful selection of an appropriate inventory boundary that accurately reflects the substance and economic reality of the company's business relationships, rather than solely its legal structure.

- Organisational Boundary

- Operational Boundary



2.1 Organisational Boundary

Consolidated Approach

Featherlite adopts an operational control approach, meaning that 100% of GHG emissions from operations under Featherlite's control in the relevant financial year are included in the report.



Organisational Boundary

In accordance with GHG Protocol guidelines, Featherlite's GHG emissions reporting defines its organisational boundary as encompassing six facilities across two divisions: Featherlite Office Systems (FOS) and Featherlite Products (FP). These facilities, identified as significant sources of GHG emissions, are included in the inventory boundary to ensure comprehensive measurement and reporting of Featherlite's emissions.

Sl. No.	Facility Code	Location	Type of Facility
1	L1	Hejjala	Manufacturing & Assembly Unit
2	L2	Kumbalagodu	Manufacturing Unit
3	L3	Deepanjali Nagar	Manufacturing Unit
4	L4	Vasantha Nagar	Corporate Office
5	L5	Sriperumbudur	Manufacturing Unit
6	P1	Rajanakunte	Manufacturing & Assembly Unit

Changes to Organisational Boundary

Featherlite has reorganized its structure by transferring the Vasantha Nagar facility from FP to FOS and excluding the Hosur facility due to its closure. Consequently, Hosur's data is omitted, and Vasantha Nagar's data is now included under FOS. This strategic change is documented in this GHG Inventory Report following GHG Protocol standards.

Sl. No.	Facility Code	Location	Type of Facility	Status
1	L4	Vasantha Nagar	Corporate Office	Included under FOS
2	-	Hosur	Warehouse	Data is omitted

*Legend

L - Location

P - Plant

*To differentiate between FOS and FP facilities.

2.2 Operational Boundary

For effective and innovative GHG management, setting operational boundaries that are comprehensive with respect to direct and indirect emissions enables Featherlite to better manage the full spectrum of GHG risks and opportunities that exist along its value chain.

The concept of "scopes" (Scope 1, Scope 2, and Scope 3) in GHG accounting helps differentiate direct and indirect emissions, enhancing transparency and ensuring no overlap in emissions reporting among companies, which is crucial for accurate GHG programs.

Scope 1, Scope 2, and Scope 3 emissions are precisely defined

Scope 1

Direct emissions

from sources that are owned or controlled by the organisation.

Scope 2

Indirect emissions

from the consumption of purchased electricity, steam, or other forms of energy that are produced offsite but used by the company.

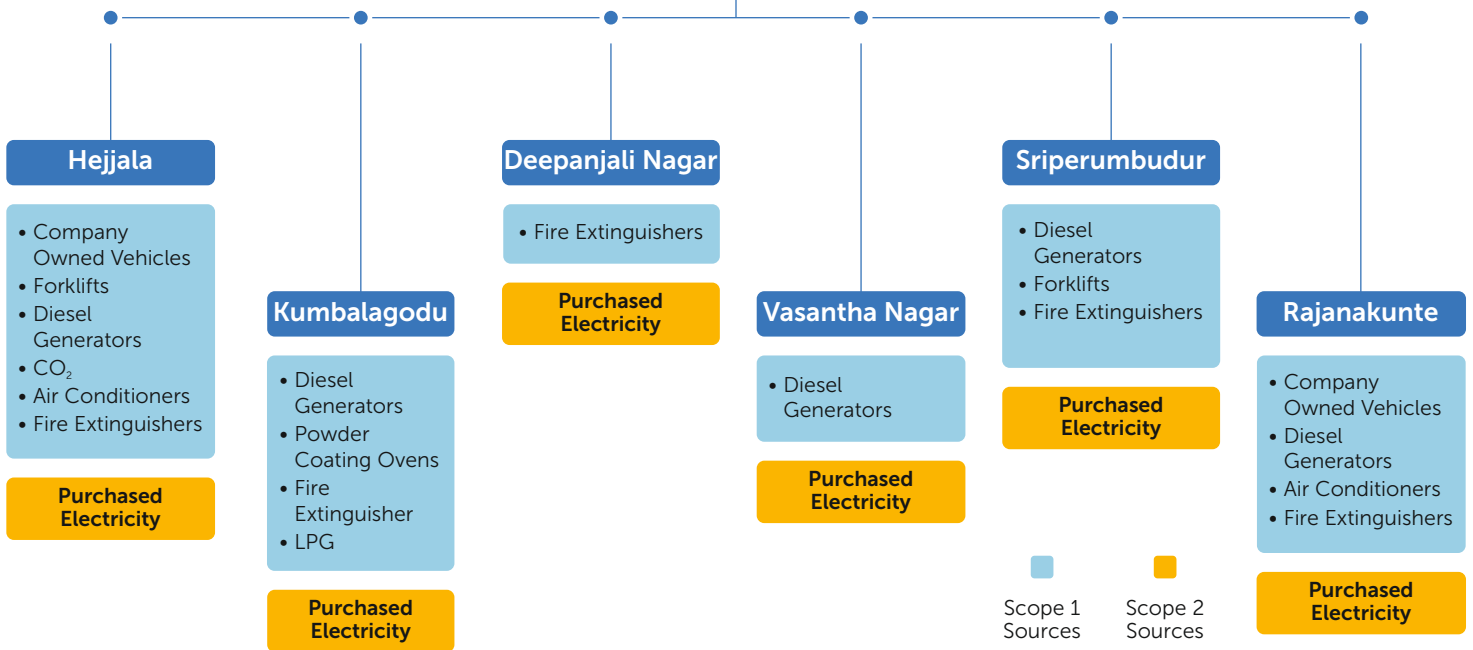
Scope 3

Indirect emissions

associated with Featherlite's activities at sources not owned or controlled by the company, covering value chain emissions.



Operational Boundary – Scope 1 & 2



For FY24, Featherlite's total greenhouse gas emissions from its operations: 1,342.89 tCO₂e	38.37%	Hejjala
	10.68%	Kumbalagodu
	5.19%	Deepanjali Nagar
	9.00%	Vasantha Nagar
	26.62%	Sriperumbudur
	0.00%	Hosur
	10.14%	Rajanakunte

Operational Boundary - Scope 3

Sl. No.	Category	Relevancy	Calculation	Explanation
1	Purchased Goods and Services	Relevant	Calculated	-
2	Capital Goods	Relevant	Calculated	-
3	Fuel & Energy Related Activities	Relevant	Calculated	-
4	Upstream Transportation and Distribution	Relevant	Not Calculated	Data currently unavailable.
5	Waste Generated in Operations	Relevant	Calculated	-
6	Business Travel	Relevant	Calculated	-
7	Employee Commuting	Relevant	Calculated	-
8	Upstream Leased Assets	Not Relevant	-	Featherlite operates solely in its owned facilities and does not utilize any leased assets.
9	Downstream Transportation and Distribution	Relevant	Calculated	-
10	Processing of Sold Products	Not Relevant	-	Featherlite's products are not processed further after manufacturing.
11	Use of Sold Products	Relevant	Calculated	-
12	End-of-Life Treatment of Sold Products	Relevant	Not Calculated	Data currently unavailable.
13	Downstream Leased Assets	Not Relevant	-	Featherlite has not leased out any of its owned assets.
14	Franchises	Not Relevant	-	Featherlite does not have a franchise structure.
15	Investments	Not Relevant	-	Featherlite is neither a private nor public financial institution; therefore, this activity is not relevant.

All emission sources have been included in the inventory, irrespective of their materiality. The materiality threshold has guided the level of detail required, ensuring that greater effort is focused on improving the accuracy and certainty of the more significant sources.

3. Inventory of Emissions

3.1 Methodology

The process of quantifying greenhouse gas (GHG) emissions involves collecting data activity and applying recognized emission factors for the activity data. There are two calculation-based methodologies used for quantification, depending on the type of emission source.

For emission sources that involve a chemical transformation process (such as combustion in fixed or mobile sources) and indirect emissions from electricity consumption.

$$\text{CO}_2 \text{ Emissions (tCO}_2\text{e)} = \text{Activity Data} \times \text{Emission Factor}$$

For emission sources that do not involve a chemical transformation process (known as fugitive emissions), or if the emissions result in greenhouse gases other than CO₂, they are converted to tons of CO₂e using Global Warming Potential (GWP) values provided by the IPCC.



$$\text{CO}_2 \text{ Emissions (tCO}_2\text{e)} = \text{Activity Data} \times \text{Global Warming Potential (GWP)}$$

Featherlite's GHG procedures include:

- Relevant standards and guidance utilised

- Approach to consolidating data

- Process for defining organisational and operational boundaries, and identifying sources and sinks

- Types of emissions included

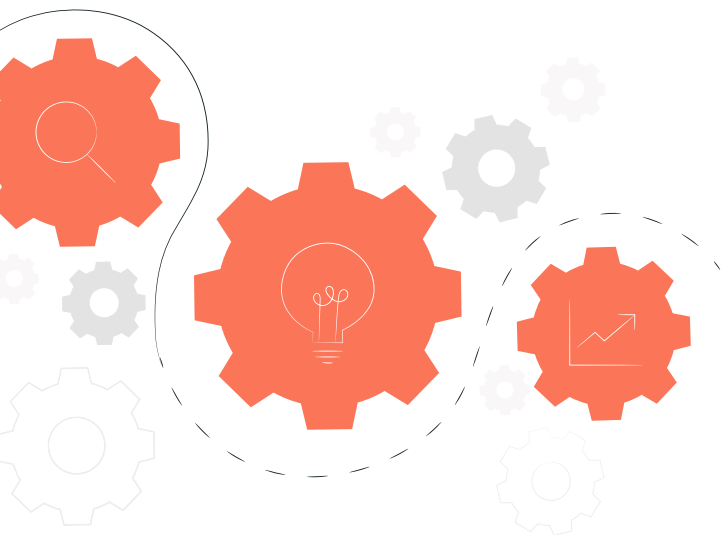
- Application of materiality thresholds

- Approach to data collection and storage

- Description of calculation methodologies employed

- Internal processes for quality assurance

Featherlite's GHG procedures undergo annual reviews to assess enhancement opportunities and recommendations from formal assurance processes, ensuring continuous improvement in sustainability practices and adherence to established standards.



Quantification Methodologies, GHG Emission Factors and GWP Values

Scope	Activity Data/ Category	GHG Protocol Quantification Method	Emission Factor Source/GWP Values	Quantification Methodology
1	Mechanical Sources	Fuel-based	DEFRA - UK Conversion Factors 2023 - Link	Data on fuel use in both owned and leased vehicles is collected from fuel card records and farm fuel tank records. Fugitive emissions from refrigerant and coolant top-ups are sourced from maintenance supplier records. LPG usage data is obtained from invoices.
2	Purchased Electricity	Location-based	Central Electricity Authority (CEA) Version 19.0 - Link	Usage data primarily gathered from electricity bills, supplemented by calculations from expenditure for minor sources.
3	Category 1 - Purchased goods and services	Spend-based method Average-data method	USEEIO - Supply Chain Greenhouse Gas Emission Factors v1.2, 2023 - Link DEFRA - UK Conversion Factors 2023 - Link	Data on expenditures for goods and services is sourced from purchase orders.
3	Category 2 - Capital goods	Spend-based method	USEEIO - Supply Chain Greenhouse Gas Emission Factors v1.2, 2023 - Link	Expenditures on capital goods are documented using a fixed asset datasheet.
3	Category 3 - Fuel and energy related activities.	Average-data method	DEFRA - UK Conversion Factors 2023 - Link Central Electricity Authority (CEA) Version 19.0 - Link CEA - India - Transmission & Distribution Losses - Link	Fuel usage for owned and leased vehicles is obtained from fuel card and farm fuel tank records. Fugitive emissions data comes from maintenance supplier records, LPG usage from invoices, and electricity usage primarily from bills, supplemented by calculations from expenditure data for minor sources.
3	Category 4 - Upstream transportation and distribution			Featherlite currently lacks data on vehicle type or distance for upstream transportation and distribution.
3	Category 5 - Waste generated in operations	Waste-type-specific method	DEFRA - UK Conversion Factors 2023 - Link	Data on waste categorization and treatment methods is recorded and tracked using a detailed log.
3	Category 6 - Business Travel	Spend-based method	USEEIO - Supply Chain Greenhouse Gas Emission Factors v1.2, 2023 - Link	Data on business travel expenditures is maintained in a record log by the Accounts Department.
3	Category 7 - Employee commuting	Distance-based method	DEFRA - UK Conversion Factors 2023 - Link	Employee commuting data is collected through surveys, including information on commuting distances and modes of transport.
3	Category 8 - Upstream leased assets			Featherlite operates solely in its owned facilities and does not utilise any leased assets.
3	Category 9 - Downstream transportation and distribution	Distance-based method Fuel-based method	DEFRA - UK Conversion Factors 2023 - Link	Transportation distances, vehicle tonnage, and product tonnage value are tracked using a dispatch record log.
3	Category 10 - Processing of sold products			This category is not applicable as Featherlite sells finished products.
3	Category 11 - Use of sold products	Direct use phase method	Central Electricity Authority (CEA) Version 19.0 - Link	One of our products uses electricity during its lifetime to operate. To calculate this, we collected the necessary data from the product data sheet.
3	Category 12 - End-of-life treatment of sold products			Featherlite currently does not have data on the end-of-life treatment of sold products.
3	Category 13 - Downstream leased assets			Featherlite has not leased out any of its owned assets.
3	Category 14 - Franchises			Featherlite does not have a franchise structure.
3	Category 15 - Investments			Featherlite is neither a private nor public financial institution; therefore, this activity is not relevant.

Changes to Approaches Used Previously

No changes have been made to the approach for this GHG Emissions Inventory Report. Featherlite has consistently used The GHG Protocol Corporate Accounting and Reporting Standard and The Corporate Value Chain (Scope 3) Standard from the outset.

3.2 Quantification: Scope 1 & 2

Scope 1 GHG Emissions - Location-based (tCO₂e)

Location	FY24	FY23	FY22	FY21
Hejjala	138.79	140.55	93.18	102.79
Kumbalagodu	60.58	44.96	35.90	27.53
Deepanjali Nagar	0.06	0.06	0.06	0.06
Vasanthanagar	0.77	2.31	2.33	0.00
Sriperumbudur	16.46	15.82	12.45	10.85
Hosur*	0.00	0.00	0.00	0.00
Rajanakunte	44.72	49.87	41.39	20.94
Scope 1 (tCO₂e)	261.38	253.57	185.30	162.16

Scope 2 GHG Emissions - Location-based (tCO₂e)

Location	FY24	FY23	FY22	FY21
Hejjala	376.53	327.25	192.39	138.77
Kumbalagodu	82.82	80.96	55.63	50.51
Deepanjali Nagar	69.68	33.69	27.86	29.03
Vasanthanagar	120.03	104.15	89.23	114.67
Sriperumbudur	341.07	342.51	236.53	209.72
Hosur*	0.00	11.50	12.52	0.00
Rajanakunte	91.39	98.28	68.64	56.51
Scope 2 (tCO₂e)	1081.51	998.35	682.78	599.21

Scope 2 GHG Emissions - Market-based (tCO₂e)

Location	FY24	FY23	FY22	FY21
Hejjala	0.00	327.25	192.39	138.77
Kumbalagodu	0.00	80.96	55.63	50.51
Deepanjali Nagar	0.00	33.69	27.86	29.03
Vasanthanagar	0.00	104.15	89.23	114.67
Sriperumbudur	0.00	342.51	236.53	209.72
Hosur*	0.00	11.50	12.52	0.00
Rajanakunte	0.00	98.28	68.64	56.51
Scope 2 (tCO₂e)	0.00	998.35	682.78	599.21

Total GHG Emissions (Scope 1 + Scope 2) - Location-based (tCO₂e)

Location	FY24	FY23	FY22	FY21
Hejjala	515.32	467.81	285.57	241.56
Kumbalagodu	143.40	125.92	91.52	78.04
Deepanjali Nagar	69.74	33.75	27.91	29.09
Vasantha Nagar	120.80	106.47	91.55	114.67
Sriperumbudur	357.53	358.33	248.98	220.57
Hosur*	0.00	11.50	12.52	0.00
Rajanakunte	136.11	148.15	110.03	77.45
Total Emissions (Scope 1+2)	1342.89	1251.92	868.08	761.37

*The Hosur facility has been excluded from our operational boundary as documented in the 'Changes to Organisational Boundary' section of this report.

Total GHG Emissions (Scope 1 + Scope 2) - Source-based (tCO₂e)

Scope	Source	FY24	FY23	FY22	FY21
Scope 1	Company Owned Vehicles	95.18	96.67	77.51	51.97
Scope 1	Forklifts	31.73	27.93	19.90	16.39
Scope 1	Diesel Generators	67.87	94.38	60.63	63.91
Scope 1	Powder Coating Ovens	33.78	34.40	27.08	22.67
Scope 1	CO ₂ - Welding Cylinders	11.81	-	-	-
Scope 1	LPG	20.82	-	-	-
Scope 1	Air Conditioners	0.00	0.00	0.00	7.04
Scope 1	Fire Extinguishers	0.19	0.19	0.19	0.19
Scope 2	Purchased Electricity	1081.51	998.35	682.78	599.21
Total GHG Emissions		1342.89	1251.92	868.08	761.37

3.3 Quantification: Scope 3

Featherlite has initiated quantifying relevant categories under the GHG Protocol Corporate Value Chain (Scope 3) Standard, focusing on categories where data availability supports initial assessment.

Sl. No.	Category	Emissions (tCO ₂ e) - FY24
1	Purchased Goods and Services	49,249.93
2	Capital Goods	904.23
3	Fuel & Energy Related Activities	264.43
4	Upstream Transportation and Distribution	-
5	Waste Generated in Operations	2.57
6	Business Travel	500.63
7	Employee Commuting	20.73
8	Upstream Leased Assets	-
9	Downstream Transportation and Distribution	4,298.02
10	Processing of Sold Products	-
11	Use of Sold Products	25.72
12	End-of-life Treatment of Sold Products	-
13	Downstream Leased Assets	-
14	Franchises	-
15	Investments	-
Total		55,266.26

3.4 Consolidated Emissions Statement

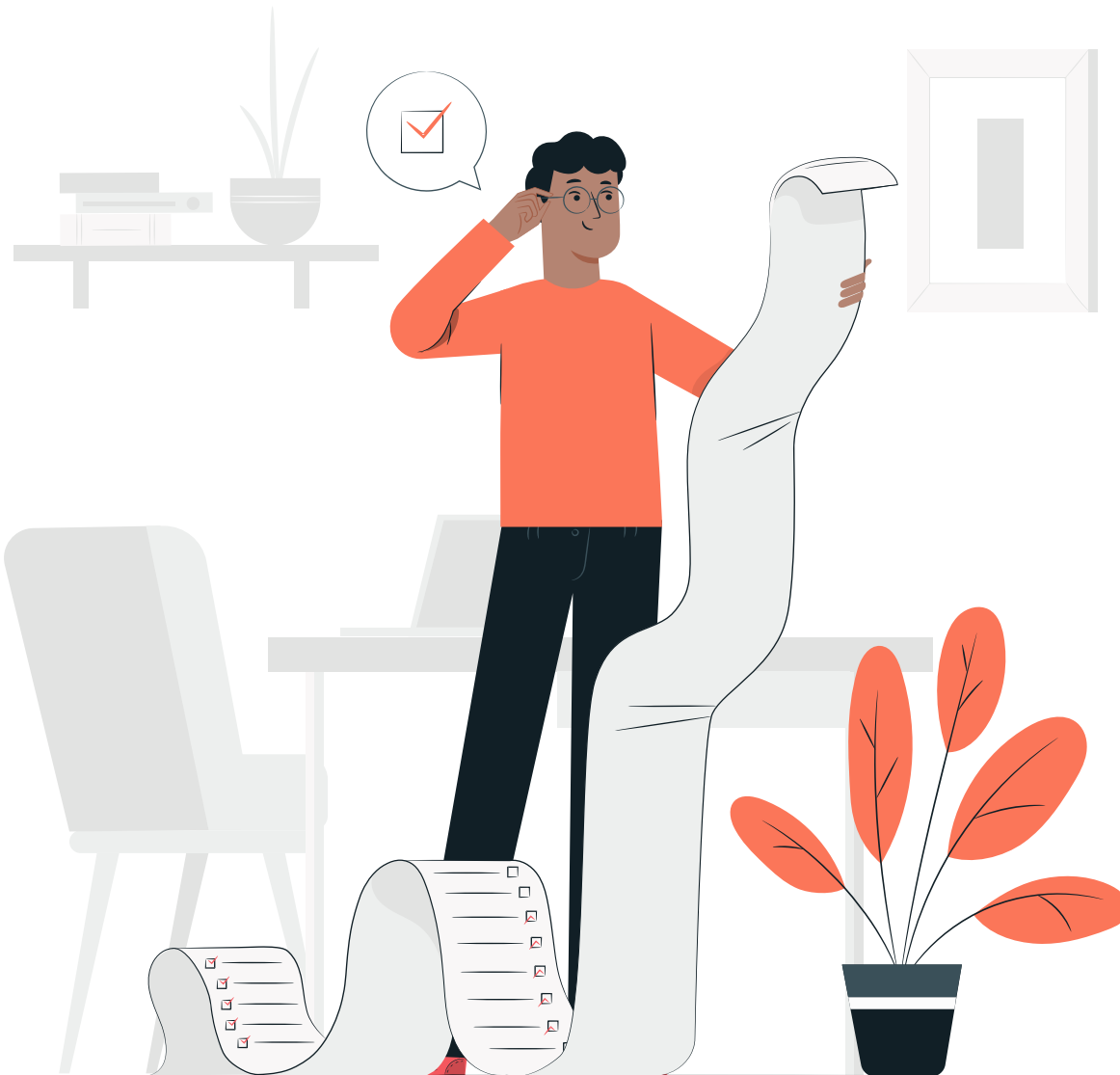
Scope	Activity Data/Category	GHG Emissions (tCO ₂ e)			
		FY24	FY23	FY22	FY21
1	Mechanical	261.38	253.57	185.30	162.16
2	Purchased Electricity - Location-Based	1081.51	998.35	682.78	599.21
	Purchased Electricity - Market-Based	0.00	998.35	682.78	599.21
Total (Scope 1 + Scope 2 Location-Based)		1342.89	1251.92	868.08	761.37
3	Category 1: Purchased Goods and Services	49,249.93	-	-	-
	Category 2: Capital Goods	904.23	-	-	-
	Category 3: Fuel & Energy Related Activities	264.43	-	-	-
	Category 5: Waste Generated in Operations	2.57	-	-	-
	Category 6: Business Travel	500.63	-	-	-
	Category 7: Employee Commuting	20.73	-	-	-
	Category 9: Downstream Transportation and Distribution	4,298.02	-	-	-
	Category 11: Use of Sold Products	25.72	-	-	-
Total (Scope 3)		55,266.26	-	-	-
Total (Scope 1+2+3)		56,609.15	1248.19*	868.08*	760.22*

*Note: Comparability is limited due to the exclusion of Scope 3 emissions.

3.5 Uncertainty in GHG Emissions Inventory

In the development of Featherlite's GHG Emissions Inventory, it is important to acknowledge the inherent uncertainties present in the data quality. These uncertainties arise from a combination of factors, including variability in emission factors and the corresponding activity data.

Emission factors, which are derived from generalised datasets or industry averages, may not fully capture the specific conditions or technologies used within our operations. Similarly, activity data, which includes measurements and estimates of fuel use, production volumes, and other relevant metrics, can be subject to variations in accuracy and completeness.



This acknowledgment is crucial for transparent reporting and continuous improvement in our environmental performance.

Activity Data

Direct Emissions (Scope 1):

Data for Scope 1 emissions is obtained from commercial invoices. Since this activity data is governed by legal procedures, it is considered reliable and does not require uncertainty calculations.

Indirect Emissions (Scope 2):

Data for Scope 2 emissions is also derived from commercial invoices. Similar to Scope 1, the legal governance of this activity data ensures its reliability, eliminating the need for uncertainty calculations.

Other Indirect Emissions (Scope 3):

Uncertainties in accounting for Scope 3 emissions arise from the generic assumptions made during data collection and estimation.

Scope 3 - Emission Type	Uncertainties
Category 1 Purchased Goods and Services	The categorization of purchased goods and services was conducted in a preliminary manner, which may have resulted in the use of emission factors that are not entirely accurate.
Category 2 Capital Goods	<p>The absence of emissions factors for Capital Goods presents a challenge, as noted in the DEFRA - 2023 source.</p> <p>The current spend-based method for accounting for the value of Capital Goods is based on the USEEIO V1.2 Source.</p> <p>Due to the lack of standardised classification between Categories 1 and 2, some relevant Category 2 data may have been accounted for under Category 1.</p>
Category 3 Fuel & Energy Related Activities	<p>The absence of emissions factors for Fuel ((Well-to-Wheel) in the DEFRA - 2023 source presents a notable constraint. Currently, the report employs the Well-to-Tank emission factor.</p> <p>The absence of Transmission and Distribution loss percentages for Electricity for the periods 2022-2023 and 2023-2024 in the CEA - India source is noted. The current report utilises Transmission and Distribution loss data from 2021-2022 as documented on Page 16 of the CEA.</p>
Category 5 Waste Generated in Operations	The absence of emission factors for certain waste types and treatment methods sourced from DEFRA is noted.
Category 6 Business Travel	<p>The absence of emissions factors for Business Travel using the Spend-Based method in the DEFRA source is observed. A portion on of the business travel expenditure is not yet fully accounted for due to the current unavailability of complete information.</p> <p>Presently, the Business Travel value is computed using data from the USEEIO V1.2 Source.</p>
Category 7 Employee Commuting	The calculation accounted for the primary commuting mode, yet there remains a possibility that some emissions were not fully captured.
Category 9 Downstream Transportation & Distribution	The destination was categorised too broadly, leading to inaccuracies in calculations.
Category 11 Use of Sold Products	The data was derived from the supplier's product data sheet, minimising uncertainties.

3.6 Minimising Uncertainty

Featherlite recognizes that uncertainties in our GHG inventory predominantly stem from Scope 3 emissions. To address this, we are proactively engaging our supply chain in a journey towards complete decarbonization, aligning with our ambitious sustainability goals.

We are implementing a forward-looking procurement strategy that empowers suppliers to showcase their environmental initiatives and CO₂ reduction efforts. Our aim is to enhance the accuracy and reliability of future inventory reports, bolstering stakeholder confidence in our sustainability achievements.

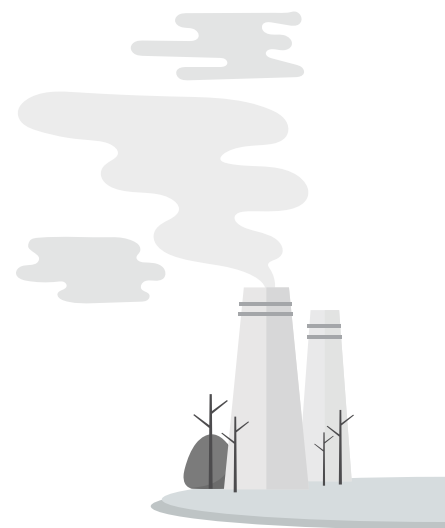


Scope 3 - Emission Type	Reducing Uncertainties
Category 1 Purchased Goods and Services	Developing a Standardised Classification System Training Procurement Staff
Category 2 Capital Goods	We are currently engaging with suppliers to obtain emission factors for capital goods, such as machinery. Implementing a clear classification system and maintaining separate logs to prevent double counting.
Category 3 Fuel & Energy Related Activities	Continuous monitoring and updates to enhance the accuracy of emission factors. Employ recently updated alternative emission factors for improved reporting accuracy.
Category 5 Waste Generated in Operations	Adopting alternative emission factors for waste types and treatment methods not covered in the DEFRA emissions source.
Category 6 Business Travel	The mode of transport, origin, and destination substantially enhance data quality. Employing an average-based method improves the accuracy of calculating Business Travel emissions.
Category 7 Employee Commuting	Implement a tool for more precise calculation of individual commuting emissions.
Category 9 Downstream Transportation & Distribution	Implementing a detailed address recording system to specify precise destinations within cities, thereby enhancing accuracy in distance calculations.
Category 11 Use of Sold Products	N/A



4. Performance Analysis

Featherlite's commitment to sustainability is reflected in its rigorous analysis of greenhouse gas (GHG) emissions performance during FY24, emphasising a comparative study with previous fiscal years. This analysis serves as a pivotal tool for identifying trends and evaluating the effectiveness of Featherlite's emissions management strategies.



Key Insights from FY24

Total Emissions Trends: Featherlite tracked total GHG emissions across its operations in FY24, revealing notable trends in emissions reduction or increase compared to historical data.

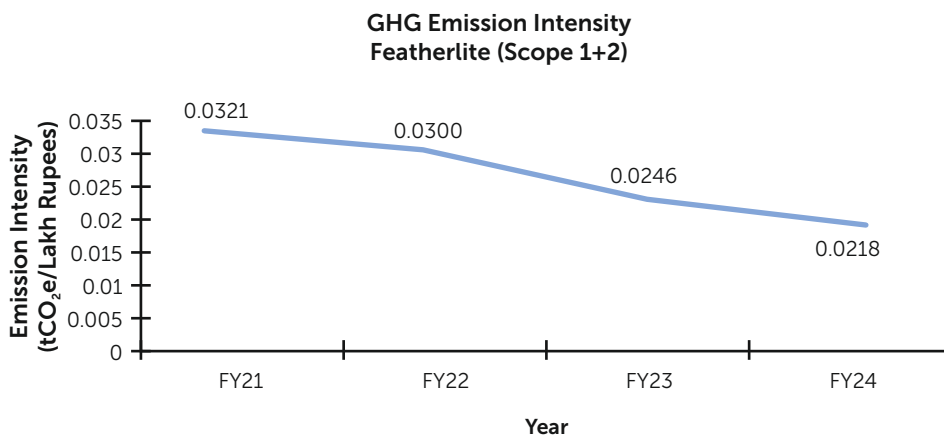
Facility-Specific Emissions: Detailed examination of emissions from different facilities provided insights into localised impacts and performance variations, aiding in targeted mitigation efforts.

Emission Intensities: Analysis of emission intensities per unit of production or other relevant metrics highlighted efficiency gains or areas requiring further attention.

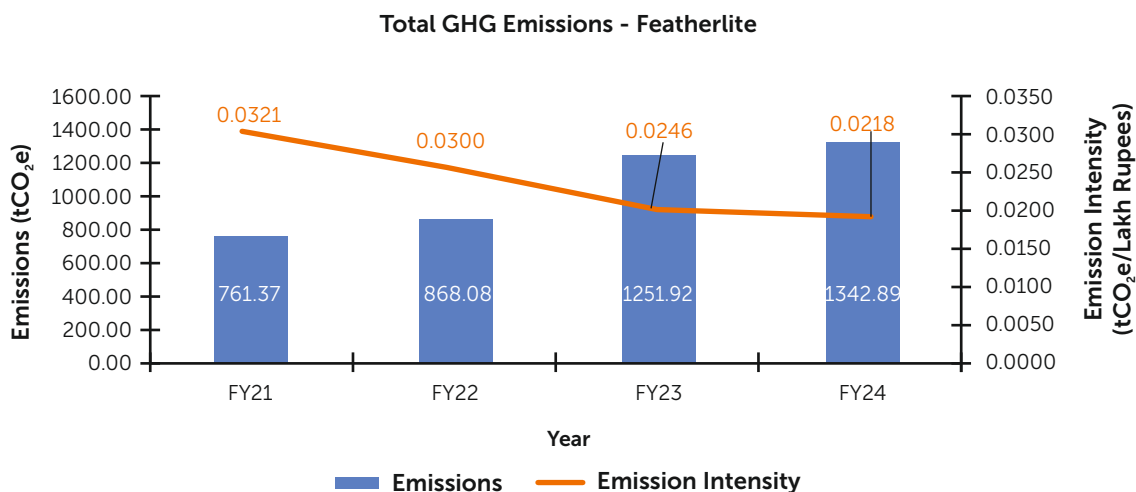
Emission Intensity Featherlite Furniture (FOS+FP)

The primary indicator of emission trend is the emission intensity and it is calculated as follows.

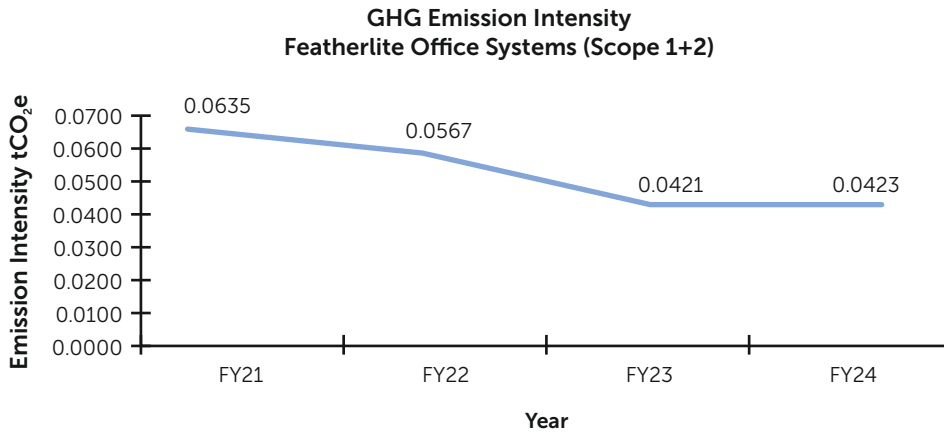
$$\text{Emission Intensity (tCO}_2\text{e/INR)} = \text{Total GHG Emissions (tCO}_2\text{e)} / \text{Total Revenue (INR)}$$



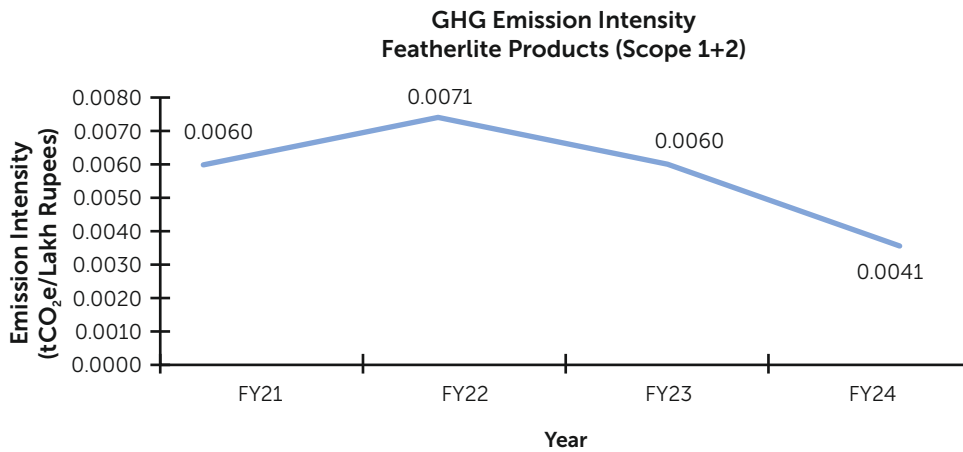
Total GHG Emissions (Scope 1 + Scope 2)



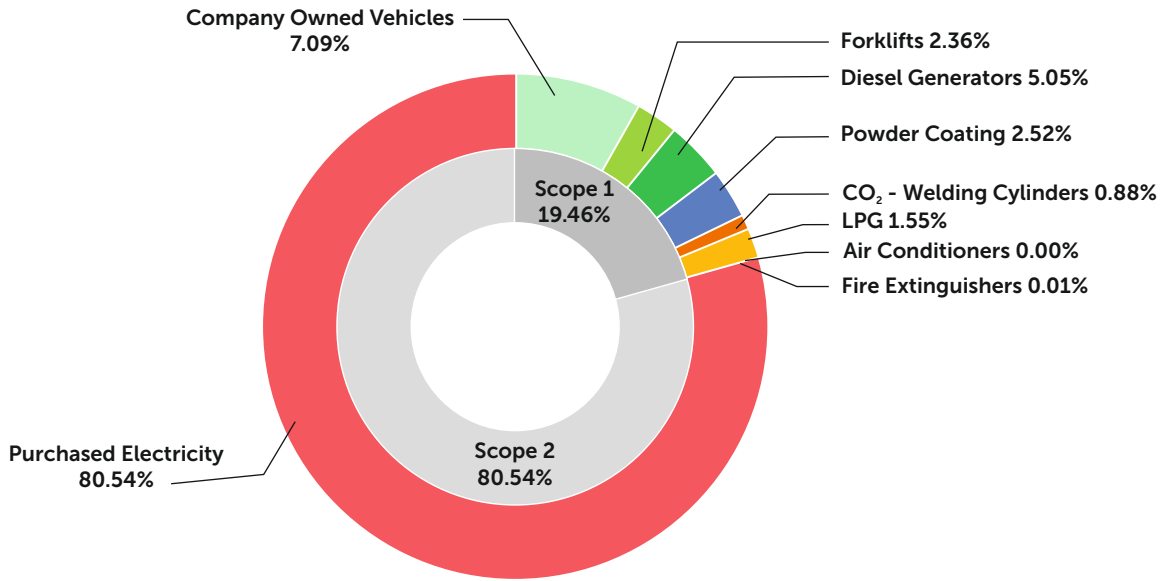
Emission Intensity - FOS



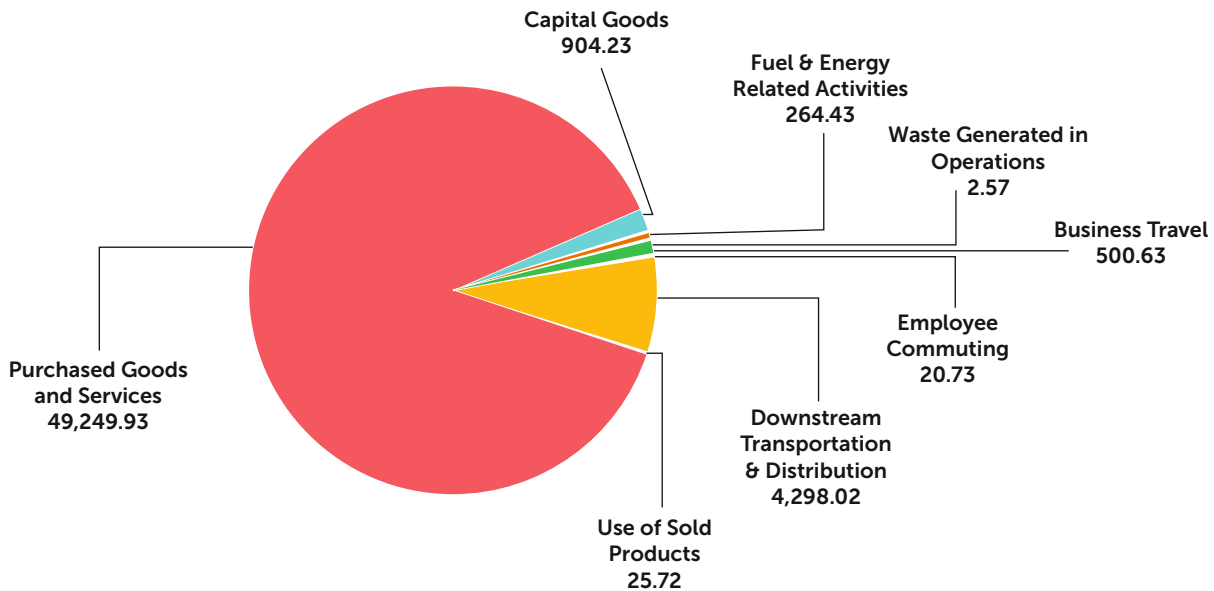
Emission Intensity - FP



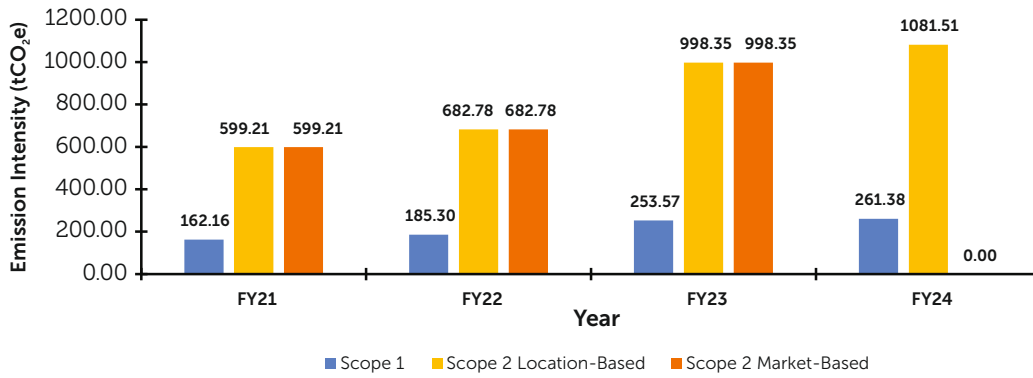
Emission Inventory - Featherlite Furniture - FY24



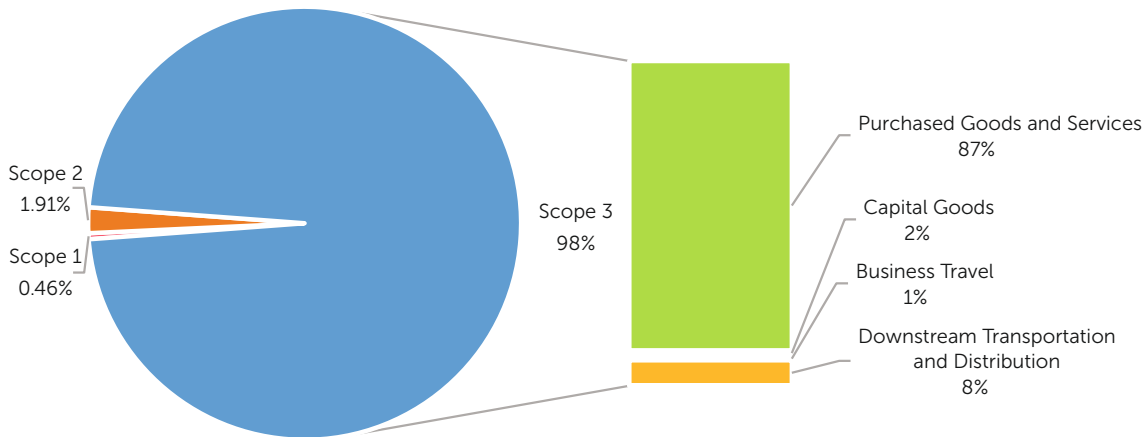
Featherlite Furniture - Scope 3 Emissions - FY24 (tCO₂e)



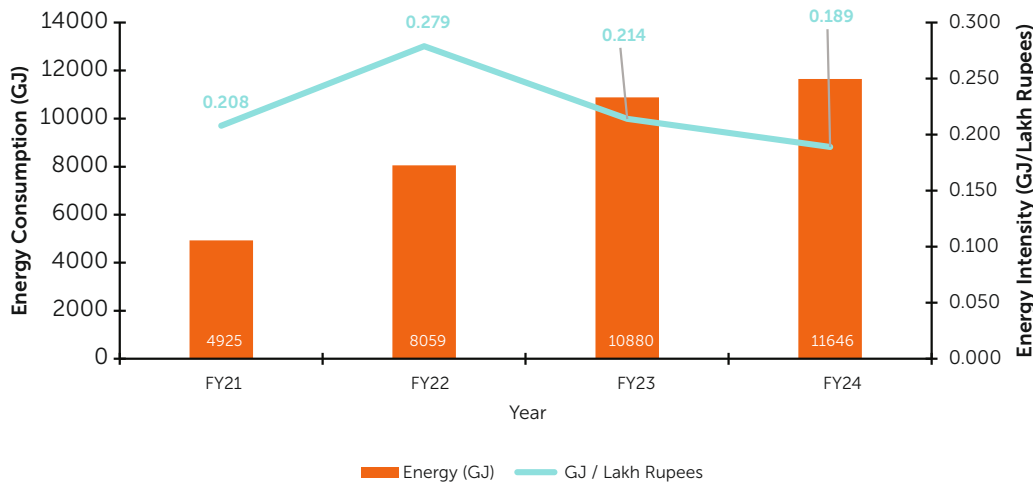
Trends in Scope 1 and Scope 2 (Location-based & Market-based) Emissions



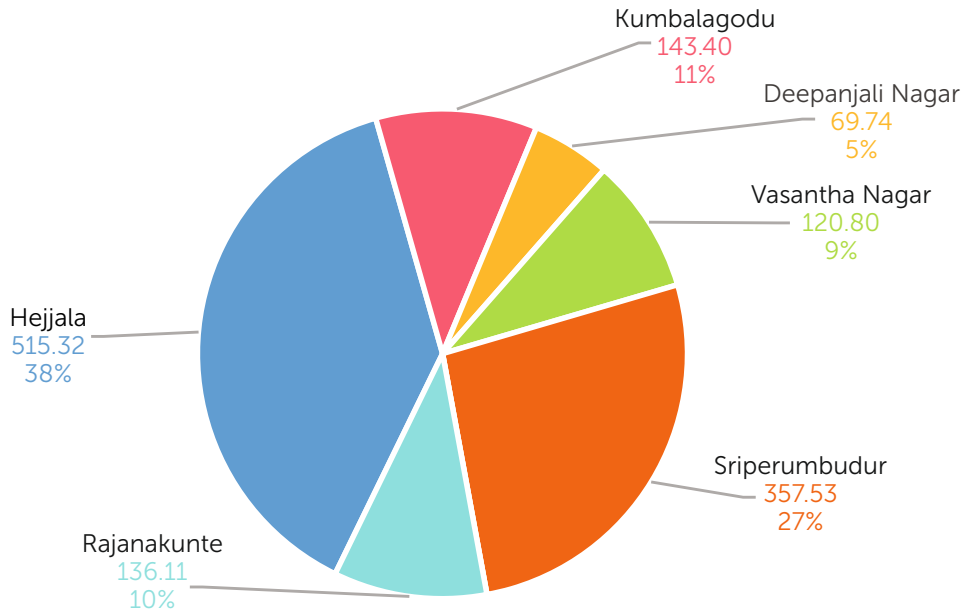
Featherlite (Scope 1+2+3) Emissions - FY24



Energy Intensity Vs Total Energy Consumption

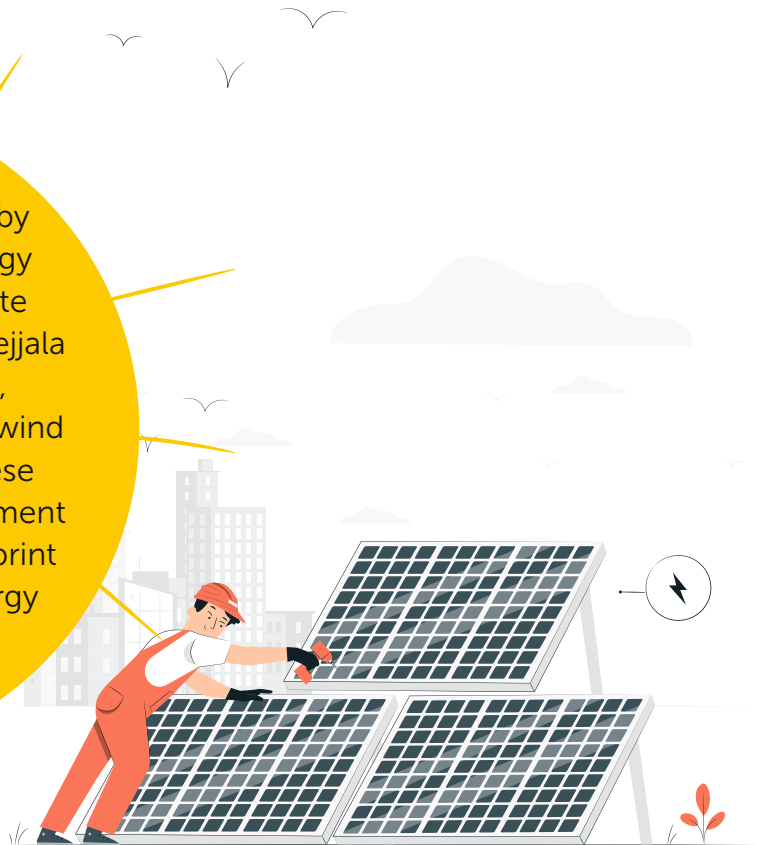


Featherlite - Facility Wise Emissions - FY24



5. Reduction Initiatives

Featherlite is dedicated to sustainability by harnessing renewable energy sources. This includes onsite rooftop solar panels at our Hejjala and Rajanakunte facilities, complemented by an offsite wind turbine in Maharashtra. These initiatives reflect our commitment to reducing our carbon footprint while embracing clean energy solutions for a better tomorrow.



Solar Power

Featherlite Office Systems

1MW Onsite rooftop Solar power generating system installed, meets the energy requirement of the facility and the surplus is connected to the grid.

Featherlite Products

85KW Onsite rooftop solar power generator is installed to incorporate renewable energy mix.



Wind Power

Featherlite Office Systems

1.25 MW Offsite wind power generator installed in the state of Maharashtra supplying electricity to the national grid.

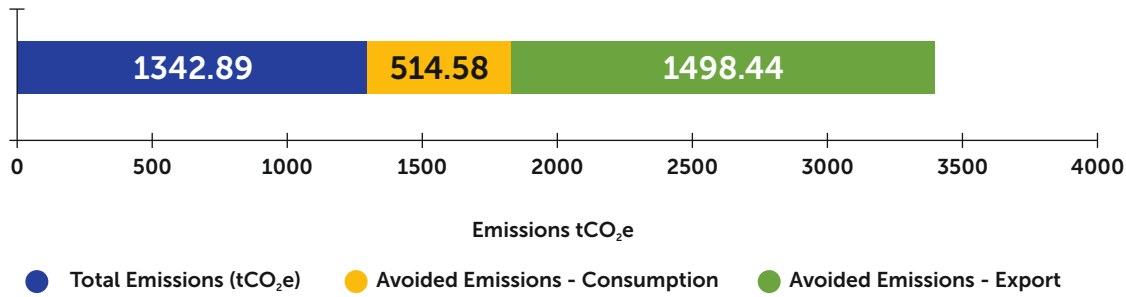
No. of wind turbines - **1**

Site location - **Jamade, Sakari, Dhule.**

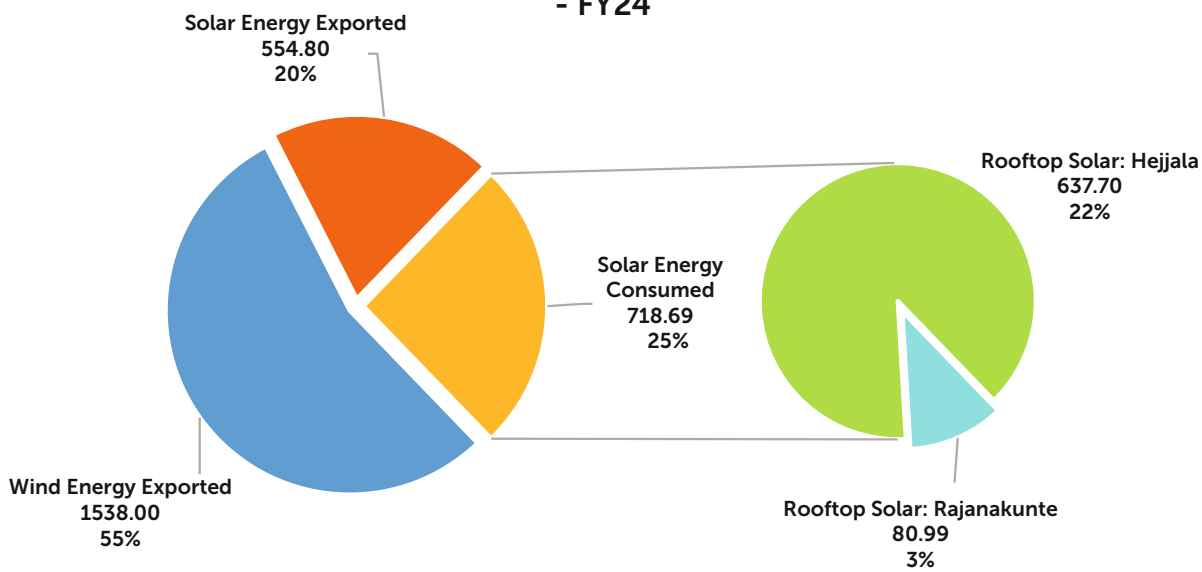


Renewable Energy	FY24	FY23	FY22	FY21
Solar Energy Consumed (MWh)	718.69	635.42	559.91	515.77
Solar Energy Exported (MWh)	554.80	488.34	554.29	653.71
Total Solar Energy Generated (MWh)	1,273.49	1,123.76	1,114.20	1,169.48
Wind Energy Exported (MWh)	1,538.06	1,228.00	674.00	203.33
Total Renewable Energy Generated (MWh)	2,811.55	2,351.76	1,788.20	1,372.81
Total GHG Emissions Avoided (tCO₂e)	2,013.07	1,683.86	1,271.41	965.09

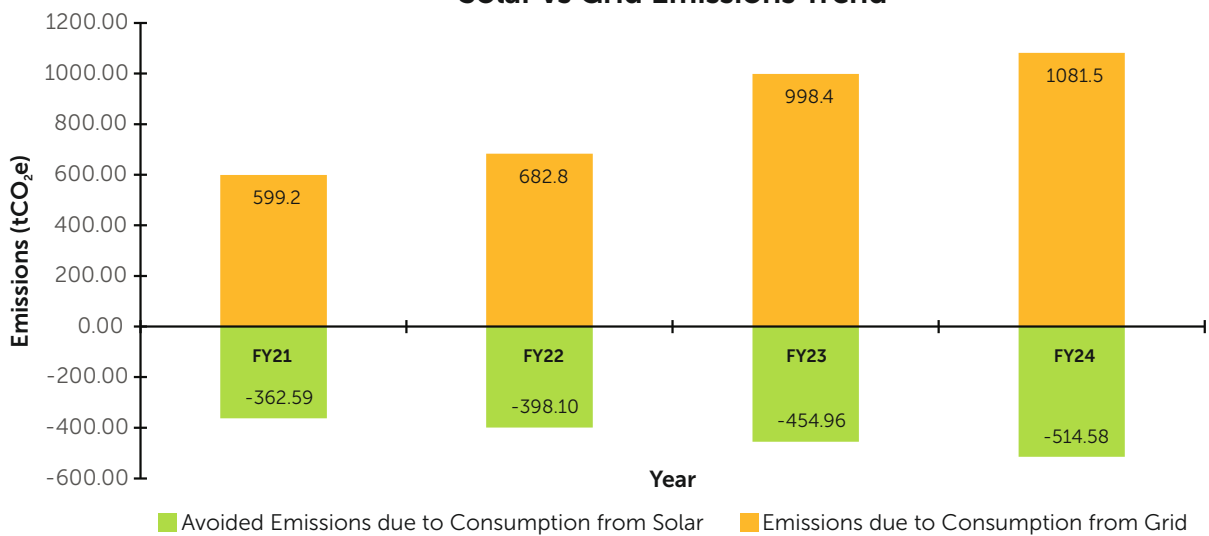
Total Emissions Vs Emissions Avoided from Renewable Energy - FY24



Renewable Generation (MWh) - FY24



Solar vs Grid Emissions Trend



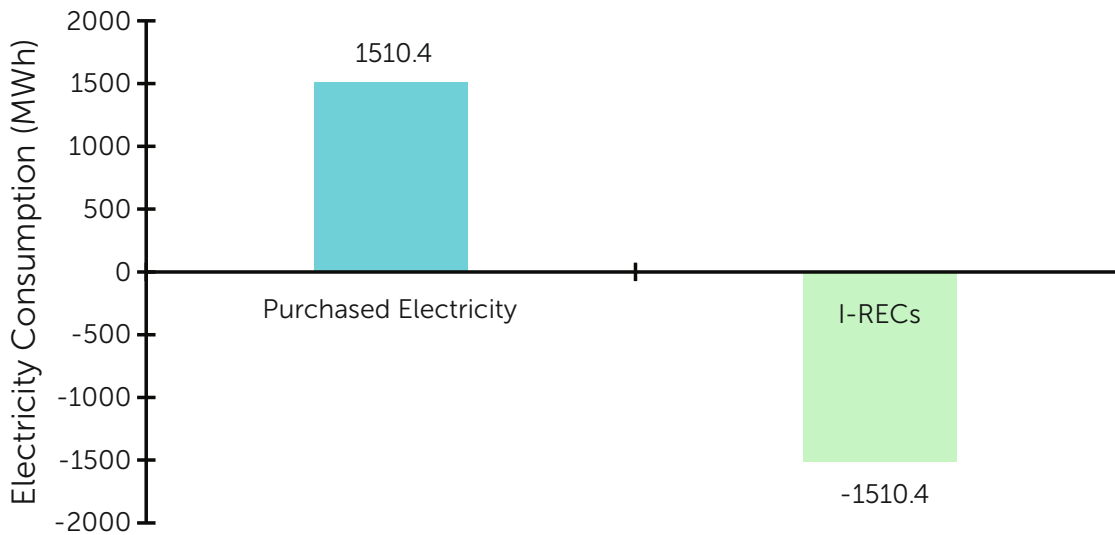
Scope 2 Market-Based Emissions - Carbon Neutrality

Beyond the contribution of rooftop solar, which provides 32.24% of the electricity required by Featherlite, the company has taken proactive steps to ensure that 100% of its purchased electricity is green.

Featherlite has achieved this remarkable feat by purchasing energy attribute certificates corresponding to 100% of the electricity used from the grid, in the form of International Renewable Energy Certificates (I-RECs).

This strategic investment demonstrates our commitment to reducing our emissions by 42% by 2030, in line with the Science Based Targets initiative (SBTi), and achieving our net zero goal by 2040. Furthermore, it plays a pivotal role in driving the market towards greener energy solutions.

Scope 2 - Carbon Neutrality*
- FY24



*Market-Based Scope 2 Emissions

Path To Scope 2 Location-Based Carbon Neutrality

Current State:

Featherlite's Scope 2 emissions result from importing 1510 MWh from the grid.

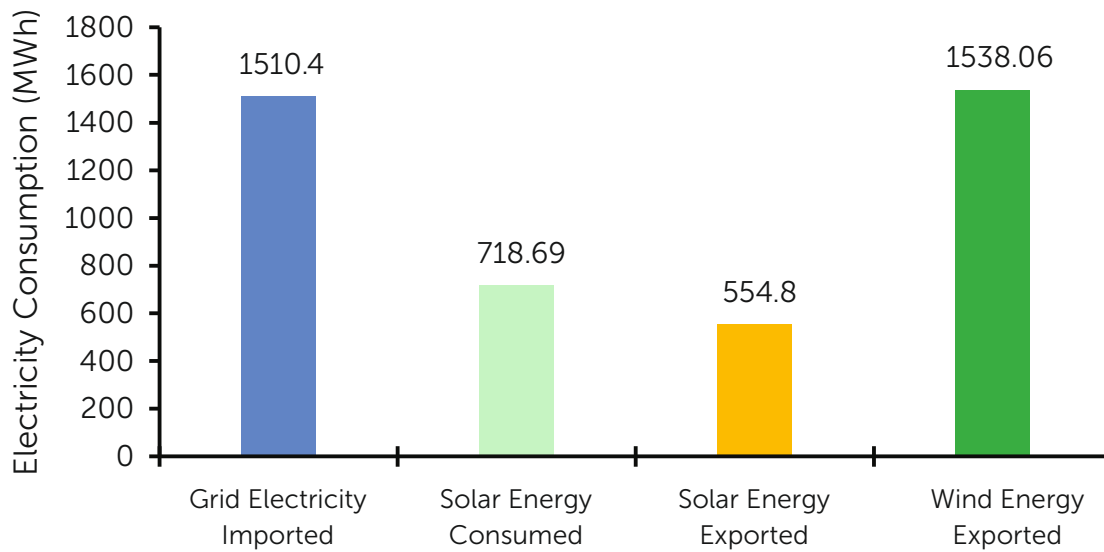
Renewable Investments:

Offsite wind energy producing 1538 MWh and onsite solar exporting 554 Mwh.

Strategic Shift:

Transitioning from a PPA to Inter and Intrastate Open Access with the respective State Electricity Commissions ensures that the solar and wind energy we export is directly consumed by us.

**Renewable Energy Investments
- FY24 Figures**

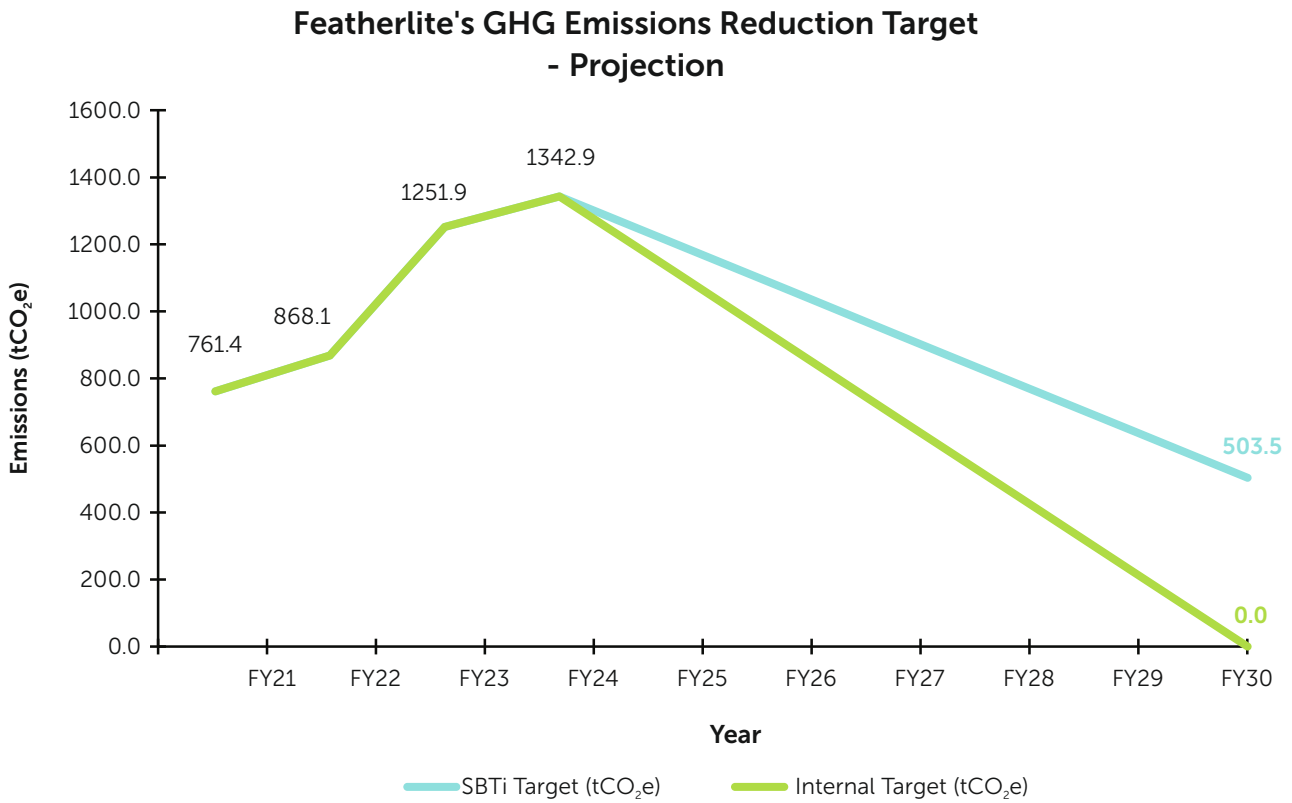


Outcome:

This shift will enable Featherlite to achieve Scope 2 location-based carbon neutrality, positioning us to meet our SBTi target in the near term, well ahead of 2030.

Featherlite's GHG Emissions Reduction Target and Projection

- Featherlite has set a target to reduce Scope 1 and 2 emissions by 42% by 2030, as validated by SBTi.
- In addition, the company's management has established an ambitious internal target of reaching net-zero Scope 1 and 2 emissions by 2030.



6. Conclusion

Through this GHG Emissions Inventory Report, Featherlite demonstrates our deep commitment to sustainability. By carefully tracking and analysing our greenhouse gas emissions in FY24, we are actively working to reduce our environmental footprint and contribute positively to global climate efforts.

This report reflects our values of responsible business and our dedication to building a sustainable future for all. At Featherlite, we take pride in leading by example and making a meaningful impact on the environment and society.





www.featherlitefurniture.com