

Grapefruit, Inc. GHG Emissions Report 2024

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1. Executive Summary

This Greenhouse Gas Inventory (“Inventory”) describes Grapefruit’s impact on the environment as measured in greenhouse gases (GHG) emitted in units of equivalent tons of carbon dioxide for 2024. The purpose of this inventory is to benchmark Grapefruit’s GHG emissions and to provide a consistent methodology for documenting the emissions inventory on an ongoing basis. Furthermore, this report provides a comparison and detailed breakdown of Grapefruit’s 2024 GHG emissions.

GreenFeet compiled the inventory with support from Grapefruit’s team, who provided activity data from relevant business activities.

In summary, Grapefruit’s estimated carbon footprint for 2024 was 56.88 mtCO₂e. A breakdown by emission category for the year is detailed in section 3 below.

Furthermore, Grapefruit has committed to a climate emergency strategy and has been in or is in the process of taking the following related actions:

- Completed baseline year emissions measurement as per the Greenhouse Gas Protocol
- Committed to emissions measurement and tracking using the GreenFeet sustainability emissions management platform
- Committed to annual reporting of GHG emissions for stakeholders

2. Methodology

The methodology for developing the GHG inventory is designed in accordance with the revised GHG Protocol Corporate Standard and the Corporate Value Chain Accounting and Reporting Standard. The inventory development process involves the collection and examination of data from both internal and external sources. The application of this methodology ensures completeness and accuracy of the data provided, finalized calculations, and conclusive analysis.

a. *Primary vs Secondary Data Overview*

Primary Data is obtained directly from meter readings and utility bill data, and Secondary Data, which involves the use of intensity factors and energy consumption models for estimation. Primary Data is considered more accurate and preferred, however Secondary Data is useful for understanding emissions control strategies and assessing source effects. The choice between Primary and Secondary Data depends on the specific situation, considering the risks and costs associated with each method.

b. *Primary vs Secondary Data Trade Offs*

Trade offs must be made between data accuracy and effort required to collect Primary Data over Secondary Data. In situations where the potential for adverse environmental effects or unfavorable regulatory outcomes is significant, the adoption of more advanced and expensive Primary Data collection methods becomes essential. Conversely, when the risks associated with using Secondary Data are minimal, and the expenses related to extensive data collection methods are unappealing, cost-effective estimation approaches can provide satisfactory and appropriate solutions.

c. *Emissions Calculation Components*

The emissions methodology components outline the calculation process for each emission source and detail any alterations applied to an emission source. These components include emissions scope classification, activity data sources, key assumptions, data manipulations, estimation parameters, emissions factor sources, calculation details, and additional relevant information.

d. *Boundary Conditions: Operational Control Approach*

An operational control approach is applied to Grapefruit's partially owned or controlled assets. An organization has operational control over a facility if the organization, or one of its subsidiaries has the full authority to introduce and implement its operating policies. For Grapefruit, this includes all spaces and offices in which the organization operates.

e. *Inclusions and Exclusions*

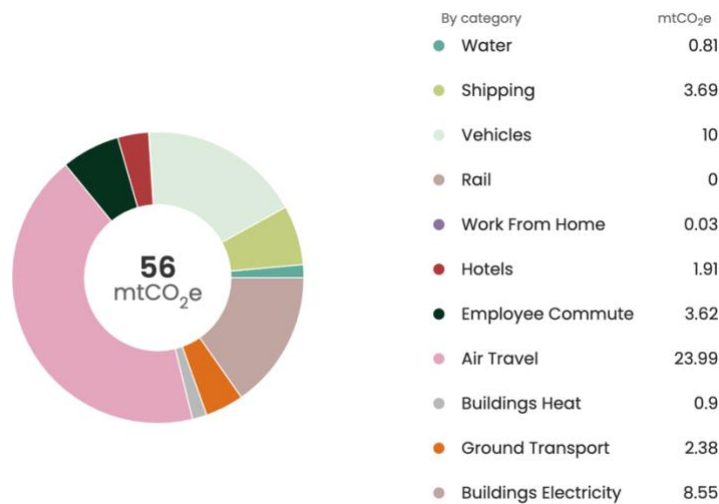
In addition to considering scope 1 and 2 emissions, the development of the 2024 GHG Inventory includes an emissions screen of all 15 scope 3 categories. After evaluating the screen results and having discussions with Grapefruit, the scope 3 categories included are Work from Home, Water, Shipping, Employee Commute, Air Travel, Rail, Ground Transport, Hotels. Scope 3 emissions beyond these explicitly listed were excluded from this report. For further guidance on materiality, readers are referred to chapter 10 of the GHG protocol.

<https://ghgprotocol.org/sites/default/files/standards/ghg-protocol-revised.pdf>

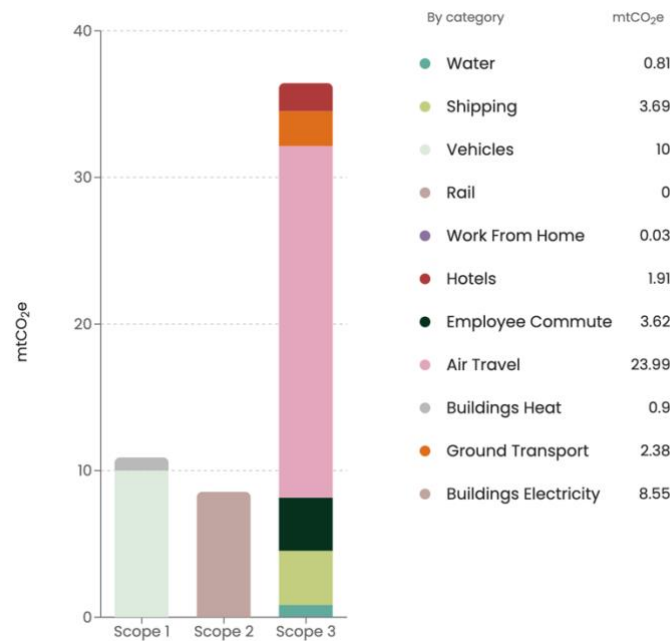
3. **Key Findings**

The following tables and charts summarize Grapefruit’s 2024 emissions.





a. **Grapefruit Emissions by Category 2024**



b. **Grapefruit Emissions Breakdown by Scope and Category 2024**



c. Grapefruit Emissions Breakdown by Scope 2024

Scope 	Category 	Subcategory 	Emissions 
– Scope 1	–	–	10.9 mtCO ₂ e
Scope 1	Vehicles	Vehicles	10 mtCO ₂ e
Scope 1	Real Estate	Buildings Heat	0.9 mtCO ₂ e
– Scope 2	–	–	8.55 mtCO ₂ e
Scope 2	Real Estate	Buildings Electricity	8.55 mtCO ₂ e
– Scope 3	–	–	36.43 mtCO ₂ e
Scope 3	Other	Work From Home	0.03 mtCO ₂ e
Scope 3	Other	Water	0.81 mtCO ₂ e
Scope 3	Shipping	Shipping	3.69 mtCO ₂ e
Scope 3	Employee Commute	Employee Commute	3.62 mtCO ₂ e
Scope 3	Business Travel	Air Travel	23.99 mtCO ₂ e
Scope 3	Business Travel	Rail	0 mtCO ₂ e
Scope 3	Business Travel	Ground Transport	2.38 mtCO ₂ e
Scope 3	Business Travel	Hotels	1.91 mtCO ₂ e

4. Calculations

a. Emissions Methodology by Source: Scope 1 – Vehicles

Emissions Scope	Scope 1
Activity Data	Vehicle usage values reported by Grapefruit via GHG Inventory Data Request collection template.
Emission Factor Sources	DEFRA 2023 Emissions Factors
Calculation Details	<p>Mileage driven x Emission Factor by make and model</p> <p>Value estimated for Unknown in miles unit. Estimated from Car size.</p>
Additional Details	Detailed calculations and a full list of data sources/activity data available, documented and uploaded to GreenFeet sustainability platform.

b. Emissions Methodology by Source: Scope 1 – Buildings heating

Emissions Scope	Scope 1
Activity Data	Consumption levels reported by Grapefruit via GHG Inventory Data Request collection template.
Emission Factor Sources	DEFRA 2023 Emissions Factors
Calculation Details	<p>Consumption values x Emissions Factor</p> <p>Value estimated for Natural gas in kWh(GrossCV) unit.</p> <p>Cubic meters (m3) used x calorific value x Correction factor (1.02264) ÷ kWh conversion factor (3.6) = kWh.</p>
Additional Details	Detailed calculations and a full list of data sources/activity data available, documented and uploaded to GreenFeet sustainability platform.

c. Emissions Methodology by Source: Scope 2 – Buildings Electricity

Emissions Scope	Scope 3
Activity Data	Consumption levels reported by Grapefruit via GHG Inventory Data Request collection template.
Emission Factor Sources	DEFRA 2023 Emissions Factors
Calculation Details	Consumption values x Location based Emissions Factor
Additional Details	Detailed calculations and a full list of data sources/activity data available, documented and uploaded to GreenFeet sustainability platform.

d. Emissions Methodology by Source: Scope 3 – Work from Home

Emissions Scope	Scope 3
Activity Data	Number of employees working from home reported by Grapefruit via GHG Inventory Data Request collection template. Survey Data collected
Emission Factor Sources	DEFRA 2024 Emission Factors
Calculation Details	Utilized the ‘Homeworking emissions whitepaper’ calculator produced by EcoAct, Lloyds Banking Group & NatWest Group. Data was pro-rated to account for total employee numbers in the period.
Additional Details	Detailed calculations and a full list of data sources/activity data available, documented and uploaded to GreenFeet sustainability platform.

e. Emissions Methodology by Source: Scope 3 – Water

Emissions Scope	Scope 3
Activity Data	Consumption levels reported by Grapefruit via GHG Inventory Data Request collection template.
Emission Factor Sources	DEFRA 2023 Emissions Factors
Calculation Details	Total cubic meters x Emission Factor for treatment and supply Water Treatment and Supply accounted for.
Additional Details	Detailed calculations and a full list of data sources/activity data available, documented and uploaded to GreenFeet sustainability platform.

f. Emissions Methodology by Source: Scope 3 – Shipping

Emissions Scope	Scope 3
Activity Data	Shipping activity data reported by Grapefruit via GHG Inventory Data Request collection template.
Emission Factor Sources	DEFRA 2023 Emission Factors
Calculation Details	<p>Flight distance between Origin and Destination calculated. DEFRA 2023 TONNE.KM Avg Laden All Hgvs All Diesel Emission Factor Used. Weight greater than 20km</p> <p>UPS Average emissions per shipment data - GRI 2023 REPORT - Used to estimate delivery emissions for delivery both over and under 20kg</p> <p>Flight distance between Origin and Destination calculated. DEFRA 2023 TONNE.KM Foreign Air Freight Emission Factor used</p>
Additional Details	Detailed calculations and a full list of data sources/activity data available, documented and uploaded to GreenFeet sustainability platform.

g. Emissions Methodology by Source: Scope 3 – Employee Commute

Emissions Scope	Scope 3
Activity Data	Employee commute patterns reported by Grapefruit via GHG Inventory Data Request collection template. Survey Data collected.
Emission Factor Sources	DEFRA 2024 Emissions Factors
Calculation Details	<p>Distance in kilometers x Total number of days worked per employee x Emissions Factor by various transport modes or fuel type</p> <p>Data was pro-rated to account for total employee numbers in the period.</p>
Additional Details	Detailed calculations and a full list of data sources/activity data available, documented and uploaded to GreenFeet sustainability platform.

h. Emissions Methodology by Source: Scope 3 – Air travel

Emissions Scope	Scope 3
Activity Data	Air Travel reported by Grapefruit via GHG Inventory Data Request collection template.
Emission Factor Sources	DEFRA 2023 Emissions Factors
Calculation Details	<p>Flights were calculated on an individual basis using DEFRA based on Short, Medium and Long-Haul distances.</p> <p>Distance kms x Emission Factor by flight type, economy class coefficient, assumed without RF</p> <p>Accounts for number of passengers and returns.</p>
Additional Details	Detailed calculations and a full list of data sources/activity data available, documented and uploaded to GreenFeet sustainability platform.

i. Emissions Methodology by Source: Scope 3 – Rail

Emissions Scope	Scope 1
Activity Data	Rail usage values reported Grapefruit via GHG Inventory Data Request collection template.
Emission Factor Sources	DEFRA 2023 Emissions Factors
Calculation Details	Distance kms x Emission Factor for international rail Accounts for numbers of passengers and returns.
Additional Details	Detailed calculations and a full list of data sources/activity data available, documented and uploaded to GreenFeet sustainability platform.

j. Emissions Methodology by Source: Scope 3 – Ground Transport

Emissions Scope	Scope 3
Activity Data	Vehicle usage values reported Grapefruit via GHG Inventory Data Request collection template.
Emission Factor Sources	DEFRA 2023 Emissions Factors
Calculation Details	Mileage provided x Emission Factor for average car by mile, unknown fuel type. Return trips accounted for.
Additional Details	Detailed calculations and a full list of data sources/activity data available, documented and uploaded to GreenFeet sustainability platform.

k. Emissions Methodology by Source: Scope 3 – Hotels

Emissions Scope	Scope 3
Activity Data	Hotel stays reported by Grapefruit via GHG Inventory Data Request collection template.
Emission Factor Sources	DEFRA 2023 Emissions Factors
Calculation Details	Number of nights x Number of rooms x Location-based Emission Factor
Additional Details	Detailed calculations and a full list of data sources/activity data available, documented and uploaded to GreenFeet sustainability platform.