

GHG Emission Report

Ganges Jute Pvt. Ltd



Reporting Period

Year 2022

Year 2023

Year 2024

Year 2025





Introduction of GHG Emission Accordance with ISO 14064 and the GHG Protocol



GREENHOUSE
GAS PROTOCOL

GHG

PFCS CO₂ N₂O HFCS CH₄ SF₆

SCOPE 3

INDIRECT

Upstream activities



SCOPE 1

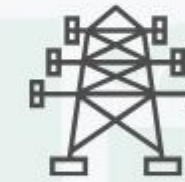
DIRECT



COMPANY
FACILITIES &
VEHICLES

SCOPE 2

INDIRECT



PURCHASED ELECTRICITY,
STEAM, HEATING AND
COOLING FOR OWN USE

SCOPE 3

INDIRECT

Downstream activities



ISO 14064 and the GHG Protocol

Developing Accurate GHG Inventories



01

We systematically monitor and document greenhouse gas emissions across all operational activities. Our emissions inventory includes all relevant sources, ensuring precise and complete reporting.

Implementing Emission Reduction Strategies



02

We actively seek opportunities to reduce greenhouse gas emissions and implement targeted strategies to achieve meaningful reductions. Through ongoing evaluation and improvement of our processes, we strive to minimize our GHG footprint efficiently and effectively.

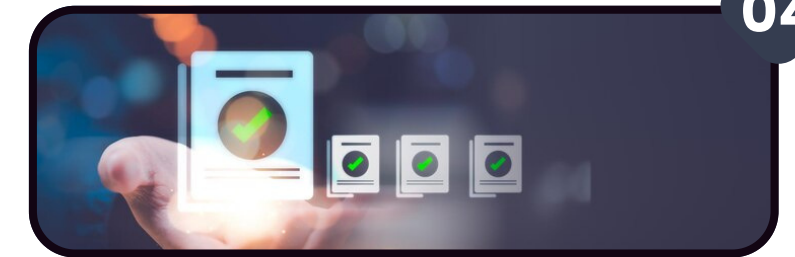
Transparent Reporting



03

We prepare detailed reports that highlight our greenhouse gas emissions and mitigation efforts. Our reporting practices fully comply with ISO 14064 and GHG Protocol standards, ensuring precision and regulatory alignment.

GHG Data Verified by Third-Party Auditors



04

To ensure accuracy and reliability, we engage independent auditors to verify and evaluate our greenhouse gas data. This third-party validation reinforces our commitment to transparency and accountability.

Locations Covered

Chatterjee International
Centre, 33A, Jawaharlal Nehru
Road, 6th Floor, Kolkata –
700071, West Bengal.

Dr. M. M. Banerjee Road, S. S.
Jute Mill Compound, PO–
Garulia, PS–Noapara, Garulia,
743133, West Bengal, India

About of GHG Emission

DIRECT GHG EMISSION

Emissions from organization-owned sources and on-site combustion are crucial for evaluating and reducing the entity's GHG footprint for the period.

01

INDIRECT GHG EMISSION

Indirect emissions from purchased energy are essential for evaluating and reducing an organization's environmental impact for the given period.

02

OTHER INDIRECT GHG EMISSION

Indirect emissions from the entire value chain, encompassing suppliers, customers, influencing sustainability impact during period.

03



Scope 1

Direct GHG Emission



Stationary Combustion

Consumption of Liquid fuel – Diesel & Petrol

Year 2022	Year 2023	Year 2024	Year 2025
298 0.75	264 0.66	280 0.70	254 0.63



Consumption
in litres



GHG Emission
TCO₂Eq

Mobile Combustion

Consumption of Diesel in Car

Year 2022	Year 2023	Year 2024	Year 2025
4,008 0.68	3,512 0.59	3,756 0.63	3,272 0.55



km travelled



GHG Emission
TCO₂Eq

Fugitive Emission

Refilling of Refrigerants - HCFC-22/R22

Year 2022	Year 2023	Year 2024	Year 2025
15 27.15	20 35.20	18 31.68	14 24.64



Consumption
in kg



GHG Emission
TCO₂Eq

Summary of Scope 1 GHG Emission TCO₂Eq



Scope 2

Indirect GHG Emission



Purchased Electricity



Year 2022

12,540

11.69



Year 2023

14,630

13.75



Year 2024

13,950

8.84



Year 2025

12,865

12.25



Consumption
in kWh



GHG Emission
TCO₂Eq

Scope 3

Other Indirect GHG Emission



CATEGORIES OF SCOPE 3

- Employee Commute
- Purchased Goods
- Transmission & Distribution Loss
- Upstream Activities

- Downstream Activities
- Waste Disposal
- Water Supply
- Water treatment

Employee Commute

Commute by Motorbike & Rail

○ Year 2022 **5,77,200**
1,197.64

○ Year 2023 **8,61,120**
2,692.84

○ Year 2024 **11,60,640**
6,371.07

○ Year 2025 **5,60,352**
1,119.46



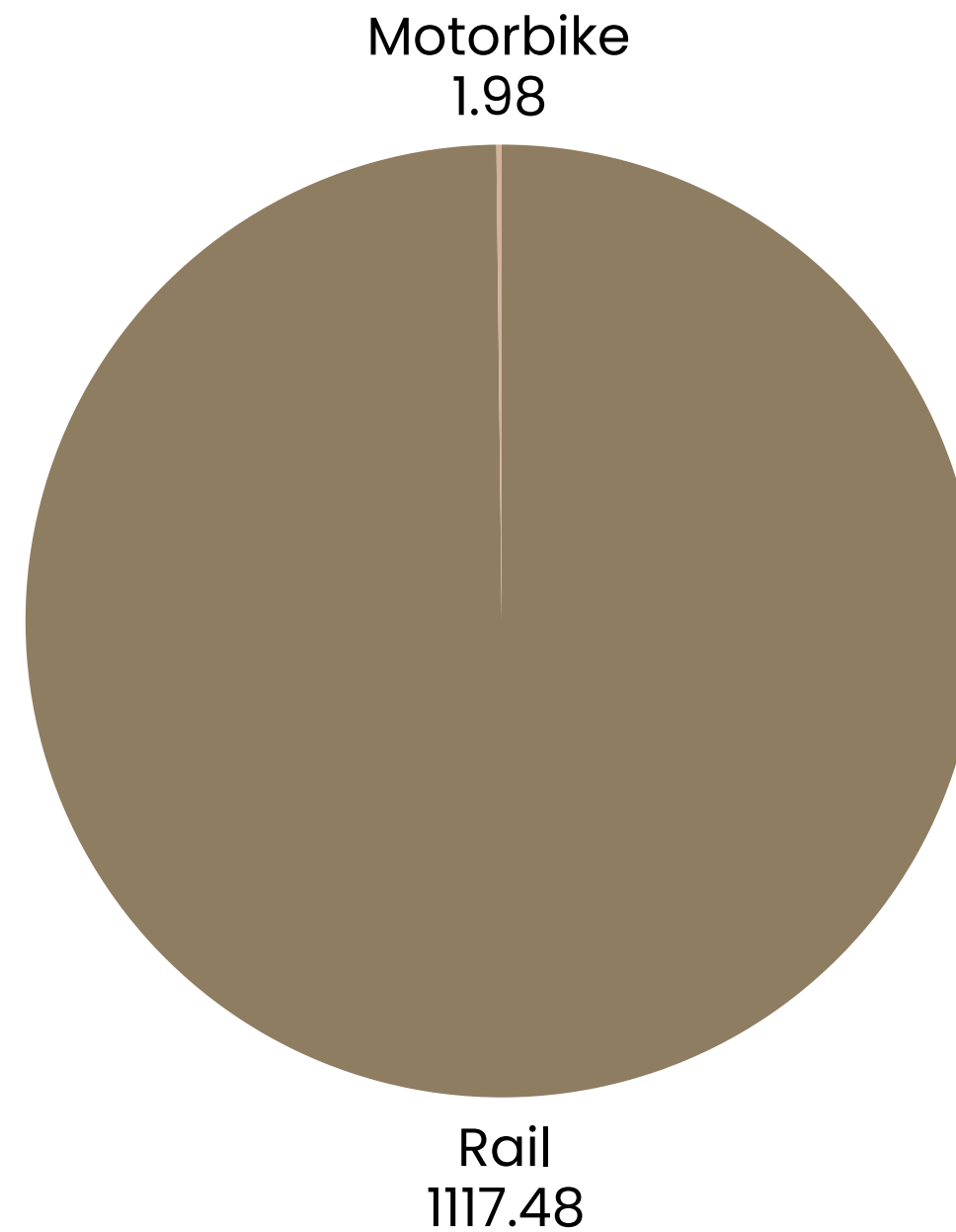
km travelled



GHG Emission
TCO₂Eq

Employee Commute

GHG Emission TCO₂Eq for year 2025



Purchased Goods

Purchased Plastic & Paper

○ Year 2022 **44.36**
 39.72

○ Year 2023 **39.00**
 34.86

○ Year 2024 **39.10**
 42.97

○ Year 2025 **32.50**
 35.97



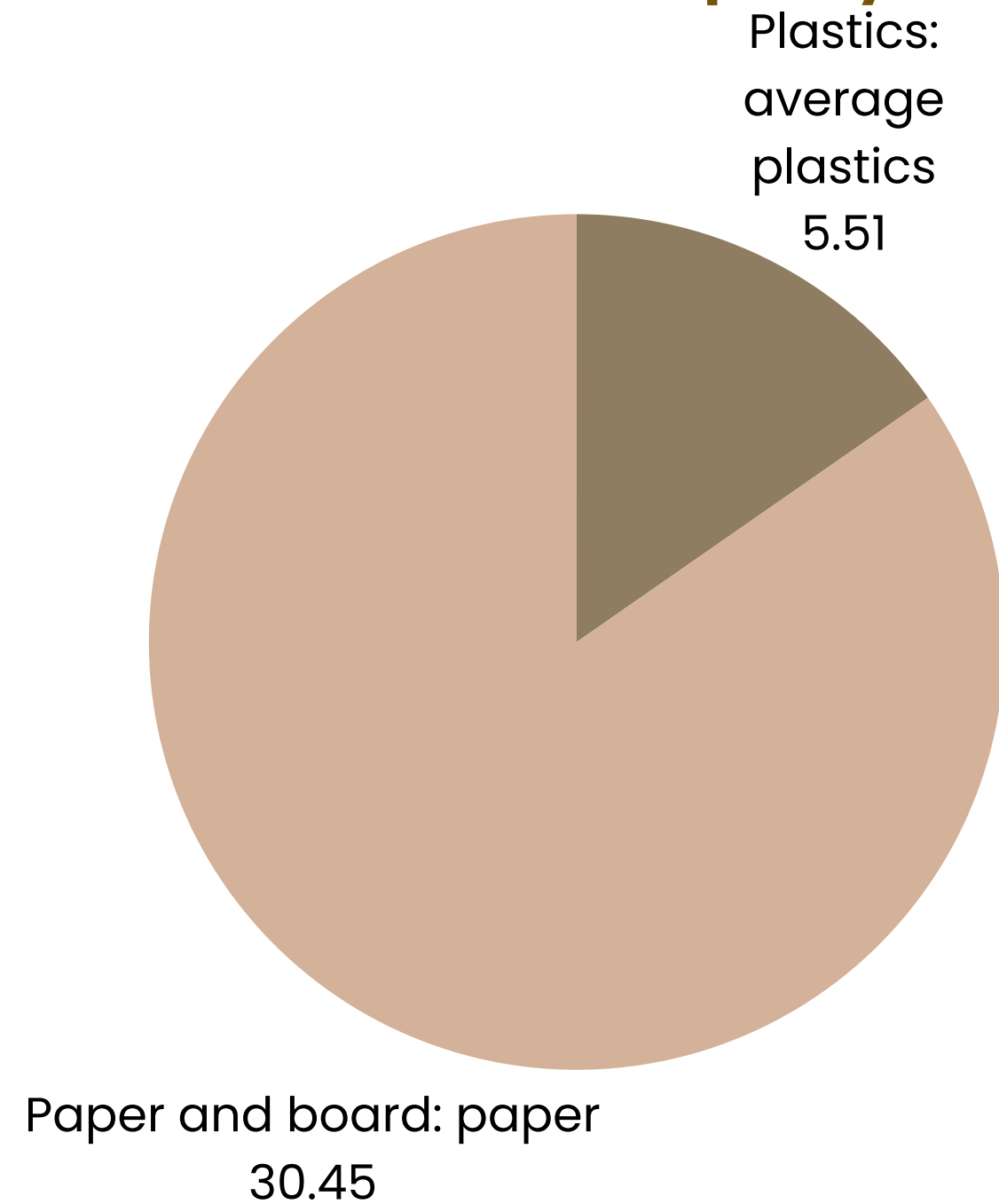
Consumption
in tonnes



GHG Emission
TCO₂Eq

Purchased Goods

GHG Emission TCO₂Eq for year 2025



Transmission & Distribution Loss



Year 2022

12,540

0.24



Year 2023

14,630

0.28



Year 2024

13,950

0.26



Year 2025

12,865

0.24



Consumption
in kWh



GHG Emission
TCO₂Eq

Upstream Activities

Transportation of Raw Materials by Heavy Goods Vehicles

»» Year 2022	»» Year 2023	»» Year 2024	»» Year 2025
39,312	44,016	42,000	38,850
21.34	23.32	22.33	21.01



km travelled



GHG Emission
TCO₂Eq

Downstream Activities

Transportation of Finishing goods by Heavy Goods Vehicles

»» Year 2022	»» Year 2023	»» Year 2024	»» Year 2025
27,762	27,342	26,880	26,922
13.63	13.43	13.10	13.12



km travelled



GHG Emission
TCO₂Eq

Waste Disposal

Generation of Commercial and industrial waste

»» Year 2022	»» Year 2023	»» Year 2024	»» Year 2025
43.99	42.00	41.12	40.46
0.94	0.89	0.26	0.19



Disposed in
tonne



GHG Emission
TCO₂Eq

Water Supply

»» Year 2022	»» Year 2023	»» Year 2024	»» Year 2025
305	315	350	280
0.045	0.056	0.054	0.053

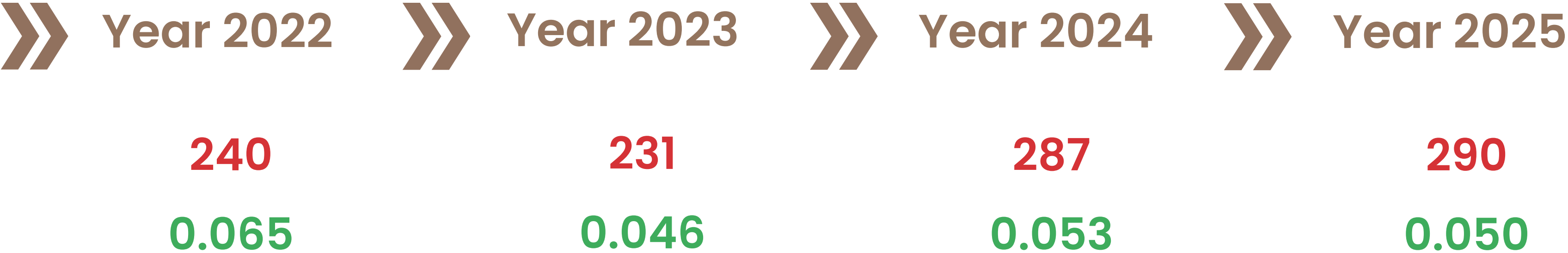


Total Cubic
meters



GHG Emission
TCO₂Eq

Water Treatment



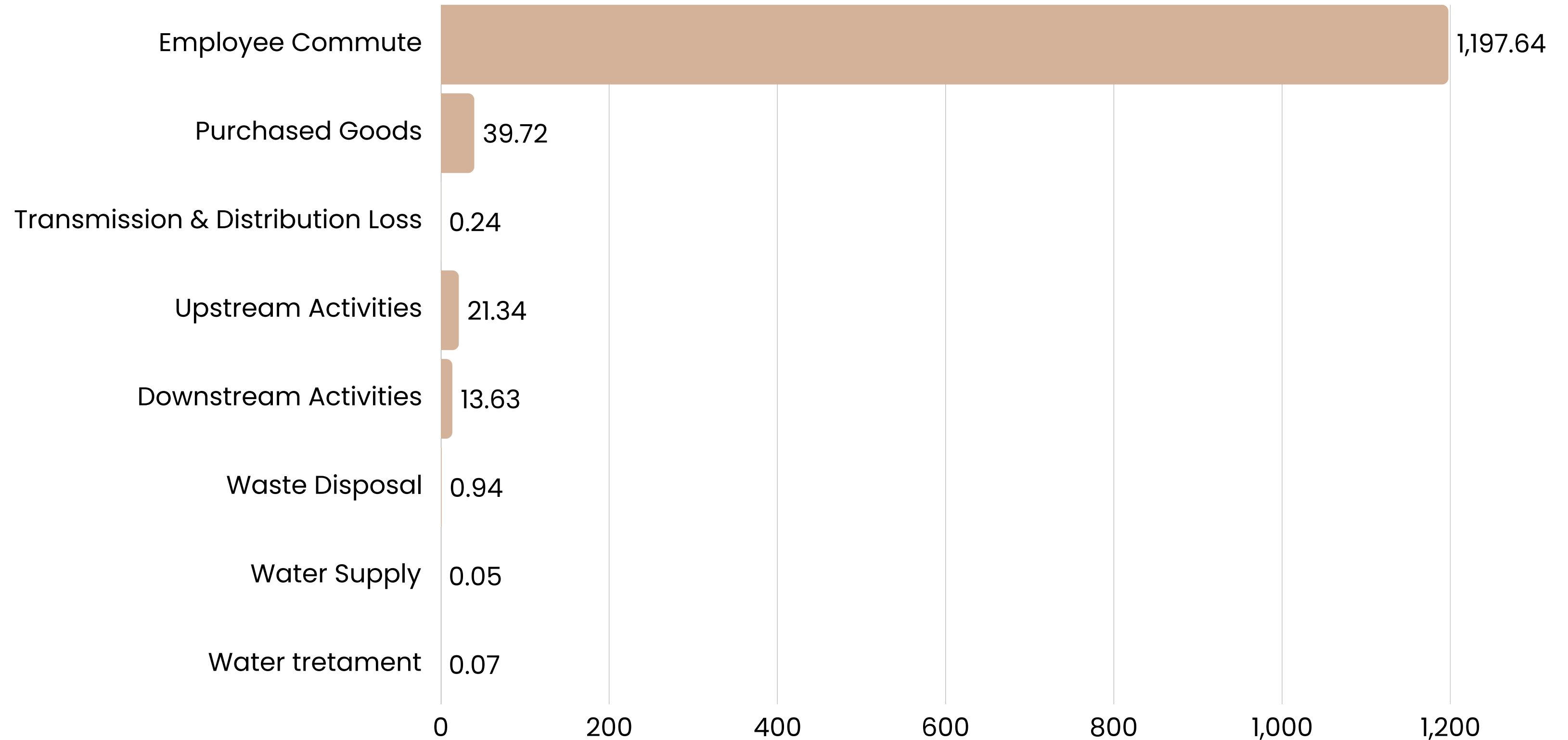
**Total Cubic
meters**



**GHG Emission
TCO₂Eq**

Summary of Scope 3

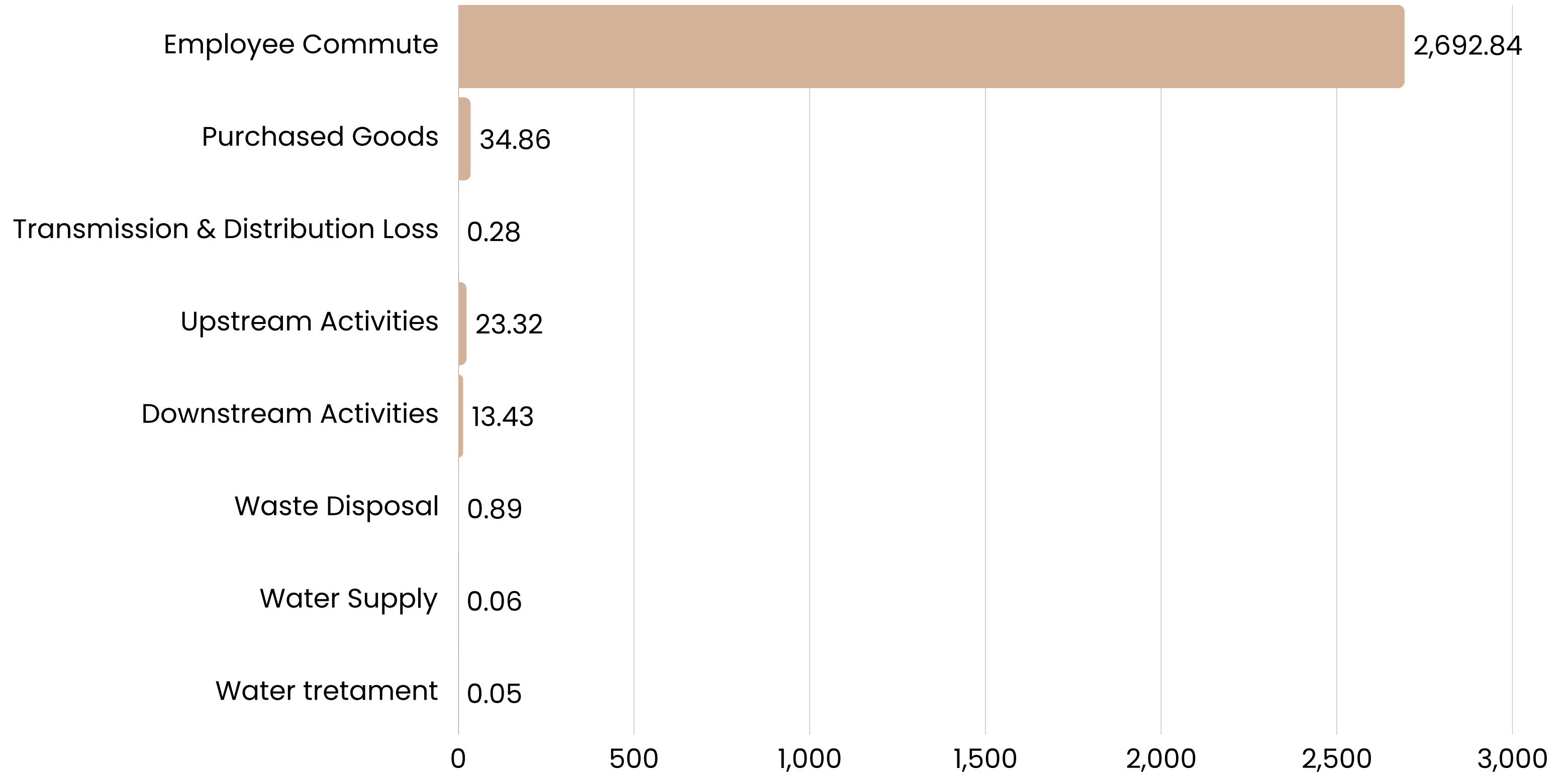
Reporting Period
Year 2022



Total GHG Emission 1,273.63 TCO₂Eq

Summary of Scope 3

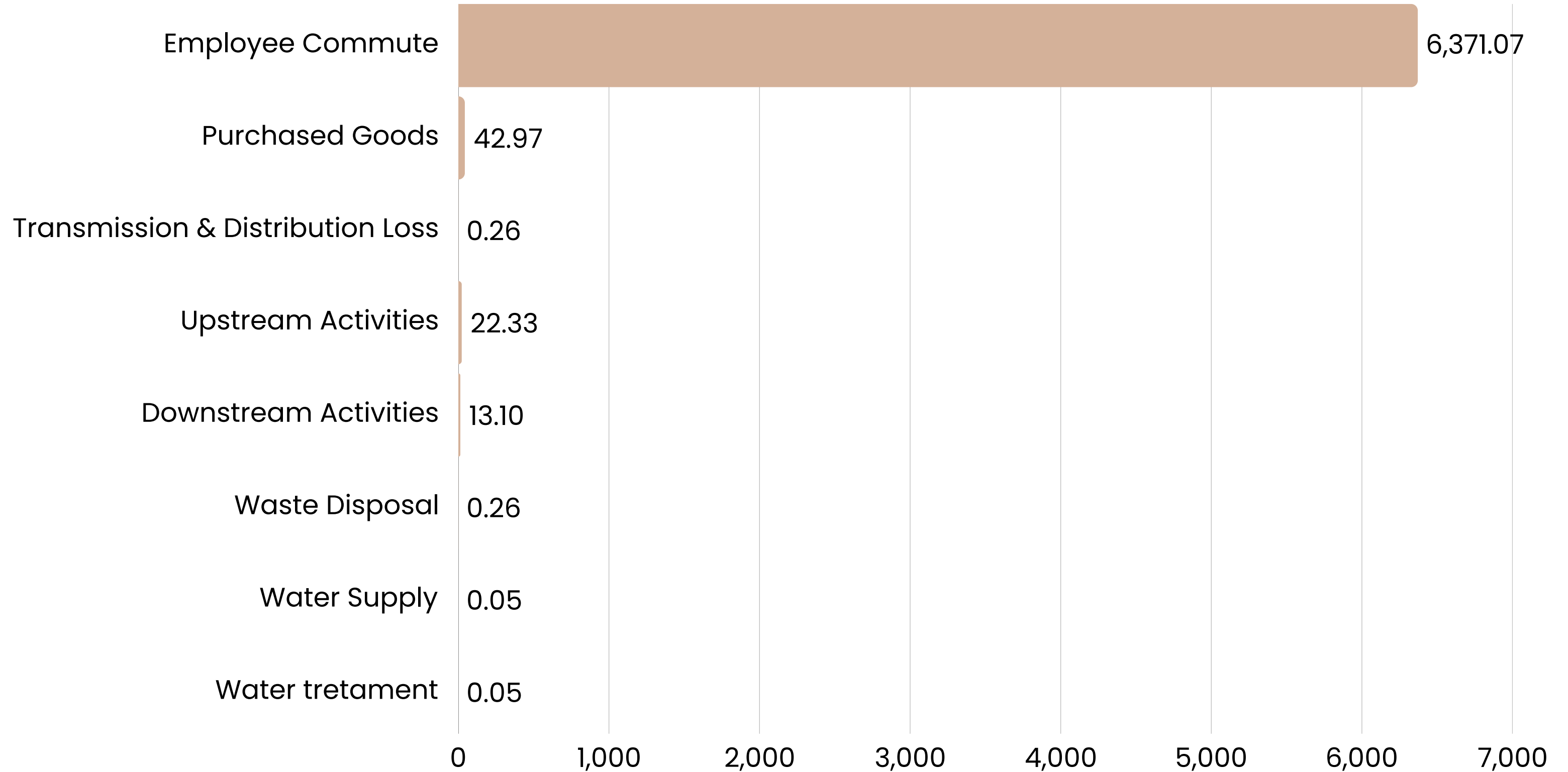
Reporting Period
Year 2023



Total GHG Emission 2,765.73 TCO₂Eq

Summary of Scope 3

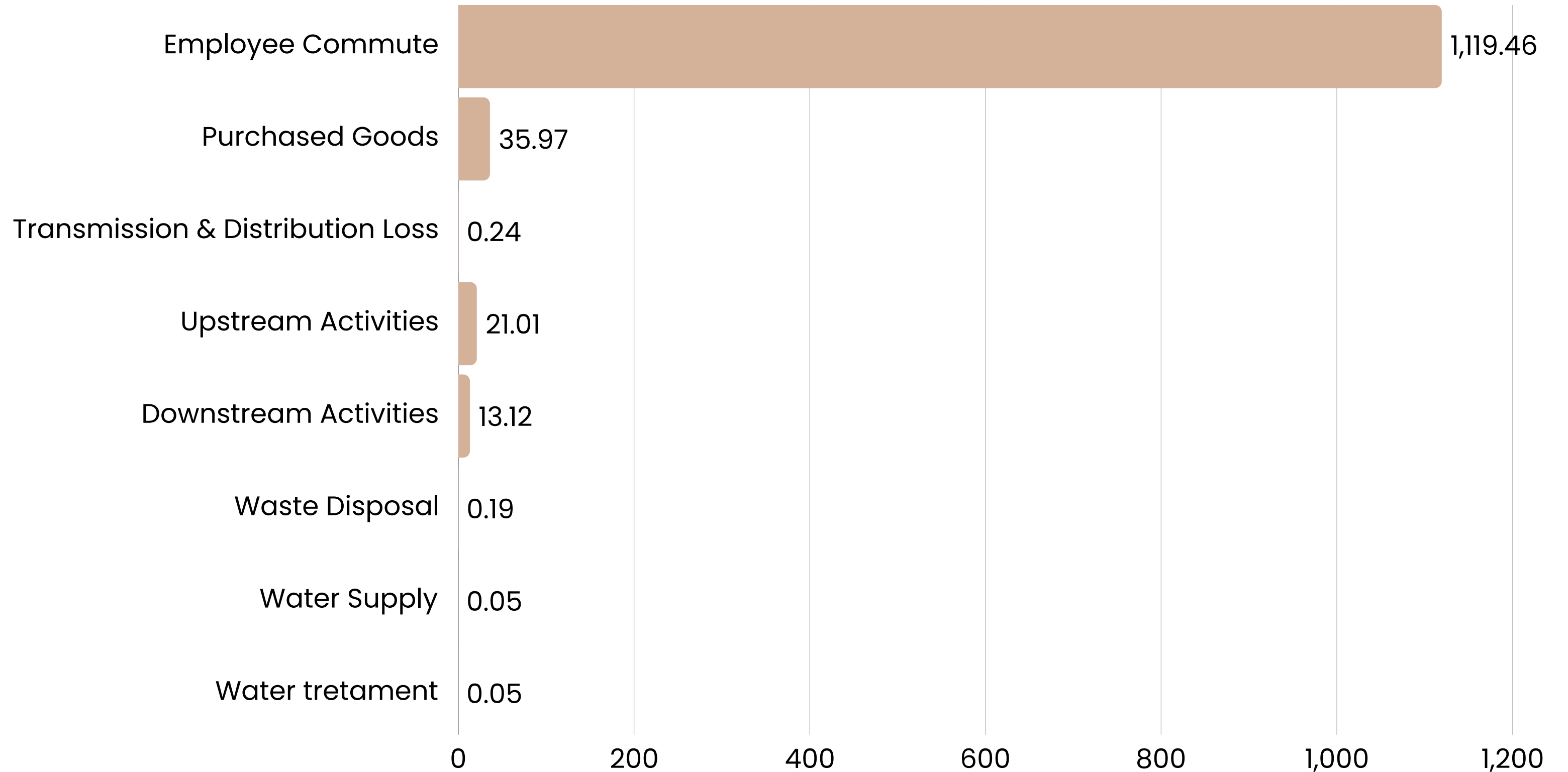
Reporting Period
Year 2024



Total GHG Emission 6,450.10 TCO₂Eq

Summary of Scope 3

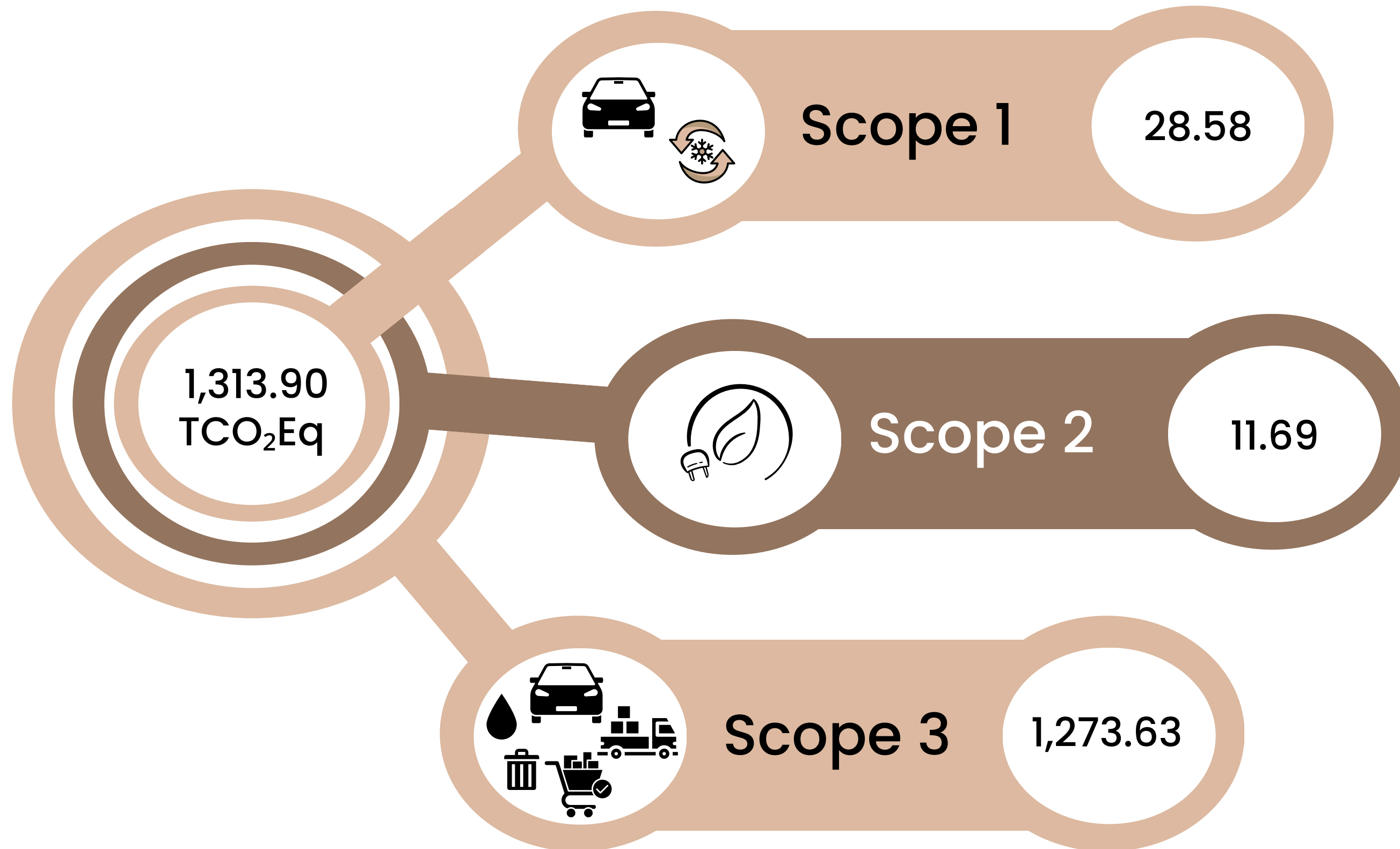
Reporting Period
Year 2025



Total GHG Emission 1,190.09 TCO₂Eq

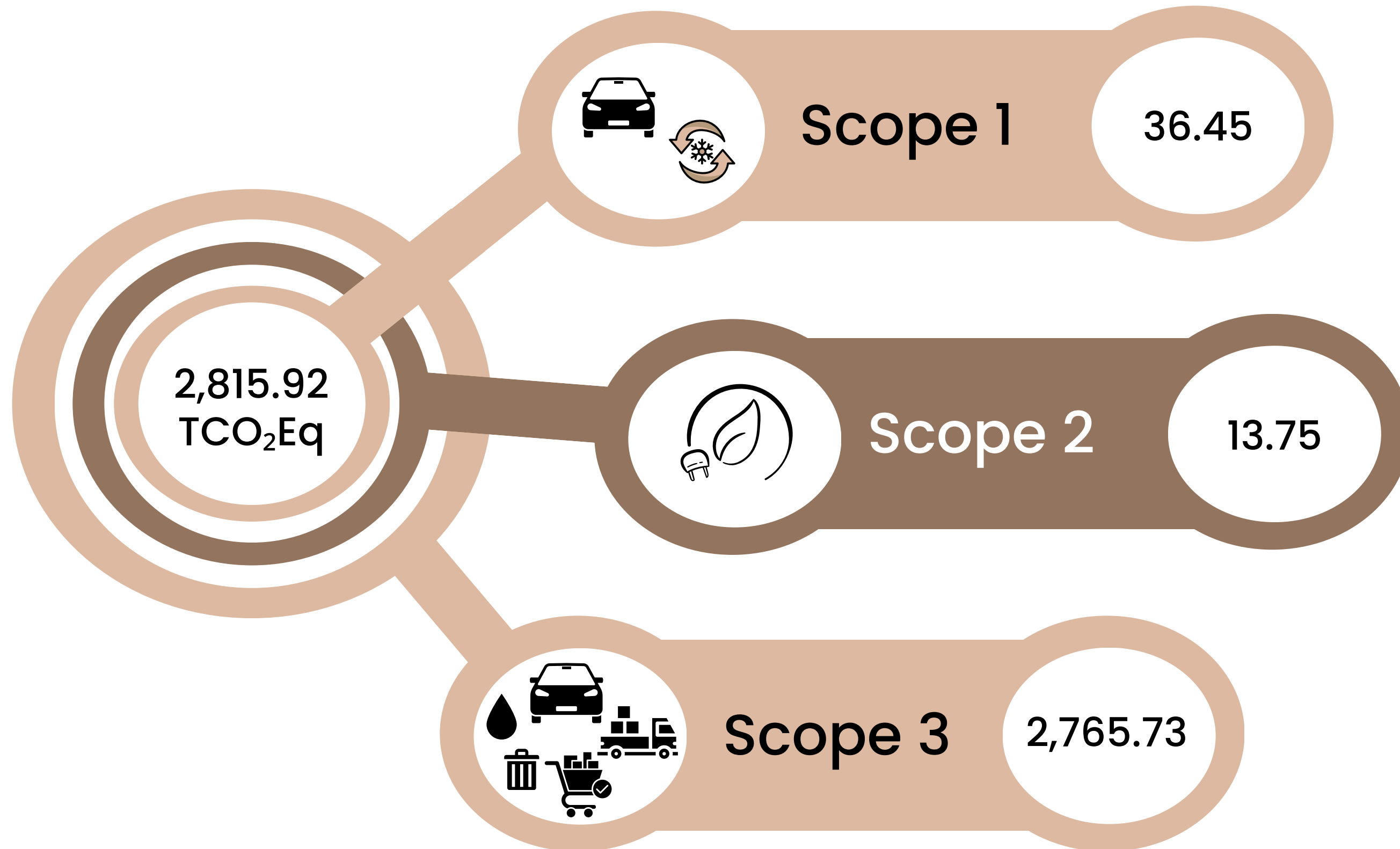
Total GHG Emission in TCO₂Eq

Reporting Period
Year 2022



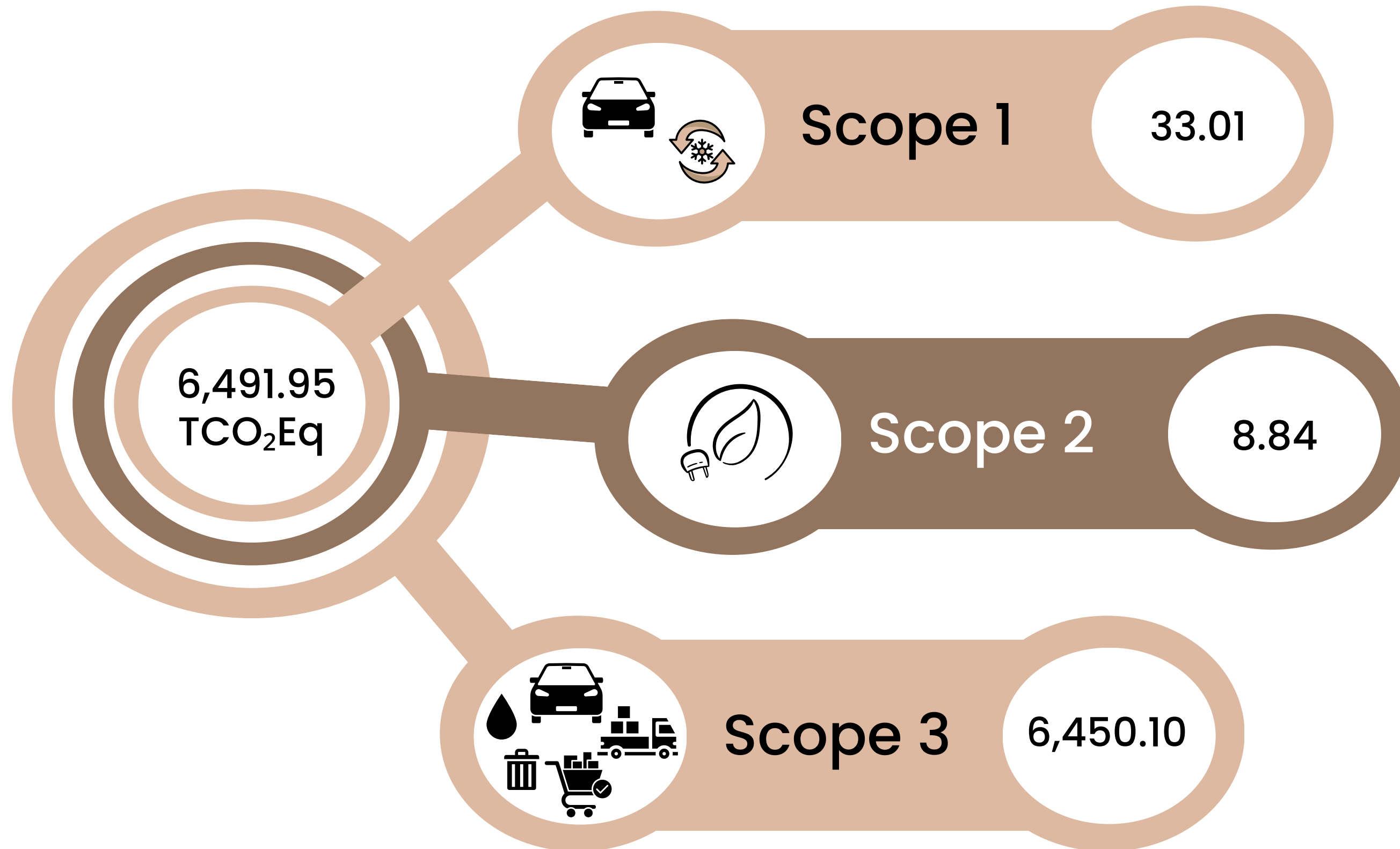
Total GHG Emission in TCO₂Eq

Reporting Period
Year 2023



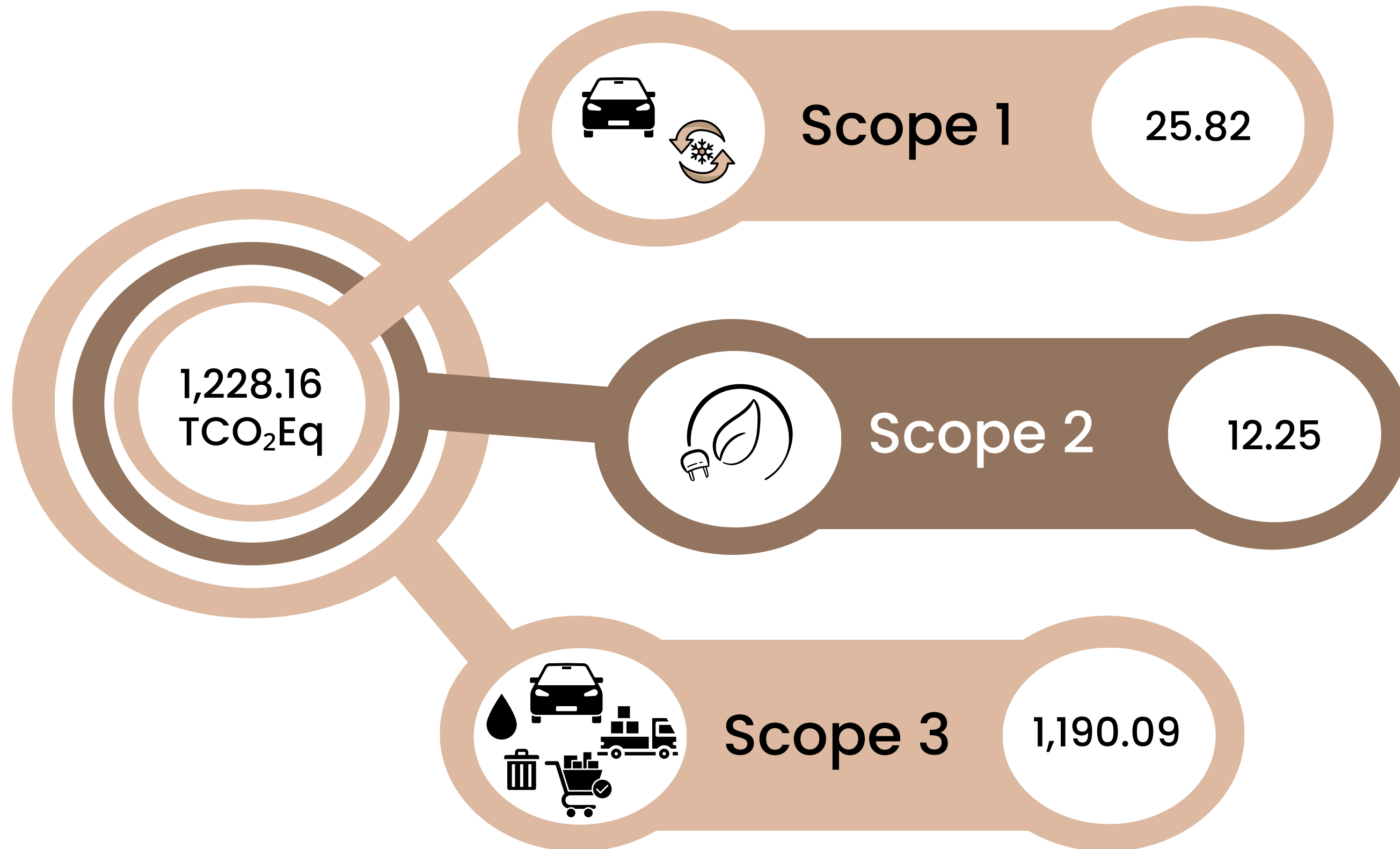
Total GHG Emission in TCO₂Eq

Reporting Period
Year 2024



Total GHG Emission in TCO₂Eq

Reporting Period
Year 2025





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