



GREEN HOUSE GASES EMISSION

Harisons Industrial Products Inc.

**FY 2021-22,
FY 2022-23,
FY 2023-24**





GHG



PFCS CO₂ N₂O HFCS CH₄ SF₆

SCOPE 3

INDIRECT
Upstream activities



LEASED ASSETS

WASTE GENERATED IN OPERATIONS



BUSINESS TRAVEL

FUEL AND ENERGY RELATED



TRANSPORTATION AND DISTRIBUTION

PURCHASED GOODS AND SERVICES



CAPITAL GOODS

SCOPE 1

DIRECT



COMPANY FACILITIES & VEHICLES

SCOPE 2

INDIRECT



PURCHASED ELECTRICITY, STEAM, HEATING AND COOLING FOR OWN USE

SCOPE 3

INDIRECT
Downstream activities

FRANCHISES



INVESTMENTS

END-OF-LIFE TREATMENT OF SOLD PRODUCTS



LEASED ASSETS

PROCESSING OF SOLD PRODUCTS



USE OF SOLD PRODUCTS

TRANSPORTATION AND DISTRIBUTION

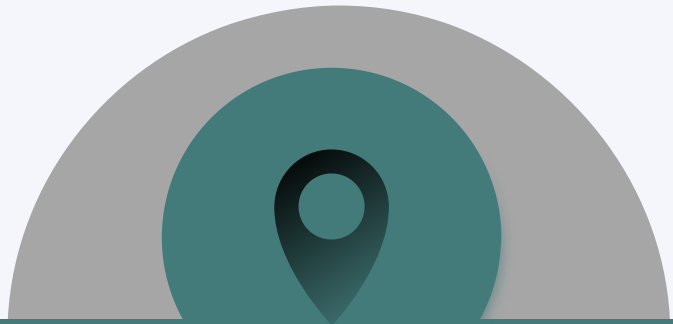


Harisons Industrial Products Inc.

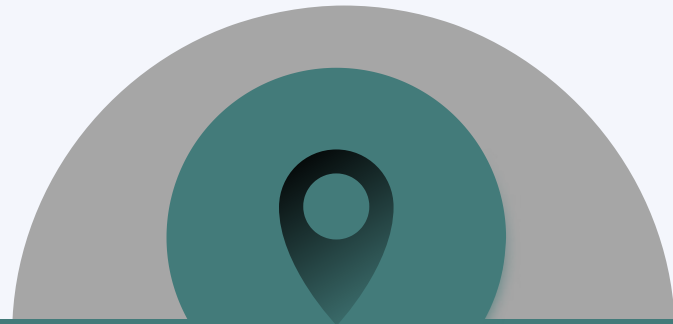
Location Covered For GHG Emission Calculation



USA Site
731 Grove Ave 08820 Edison,
New Jersey United States of
America



India Site
Near Talav Rania Sakaarda
Savli Road, Savali Vadodara,
Vadodara, Gujarat,
India - 391350



India Site
159, dhanora, vadodara,
gujarat, india - 391243.

ISO 14064 & The GHG Protocol

DEVELOPING ACCURATE GHG INVENTORIES

- We meticulously measure and document our GHG emissions across all operations.
- Our GHG inventory includes all relevant emission sources, ensuring comprehensive coverage.

IMPLEMENTING EMISSION REDUCTION STRATEGIES

- We identify opportunities for reducing GHG emissions and implement effective strategies to achieve these reductions.
- Continuous monitoring and improvement of our processes help us minimize our carbon footprint.

TRANSPARENT REPORTING

- We prepare detailed reports on our GHG emissions and reduction efforts.
- Our reporting practices are in strict accordance with ISO 14064 & the GHG Protocol standards.

THIRD-PARTY AUDITORS VALIDATE GHG DATA FOR TRANSPARENCY


- To ensure accuracy and credibility, we engage third-party auditors to validate and verify our GHG data.
- This independent verification reinforces our commitment to transparency and accountability.

Overview of Greenhouse Gas Emissions

Align with ISO 14064 and the GHG Protocol




Assessing GHG Emissions: Scope Overview



Scope 1
Direct Emission

Organization-owned emissions, on-site combustion, vital for assessing, reducing the entity's carbon footprint during period .



Scope 2
Indirect Emission

Indirect emissions from purchased energy, crucial for assessing and reducing an organization's environmental impact for period.



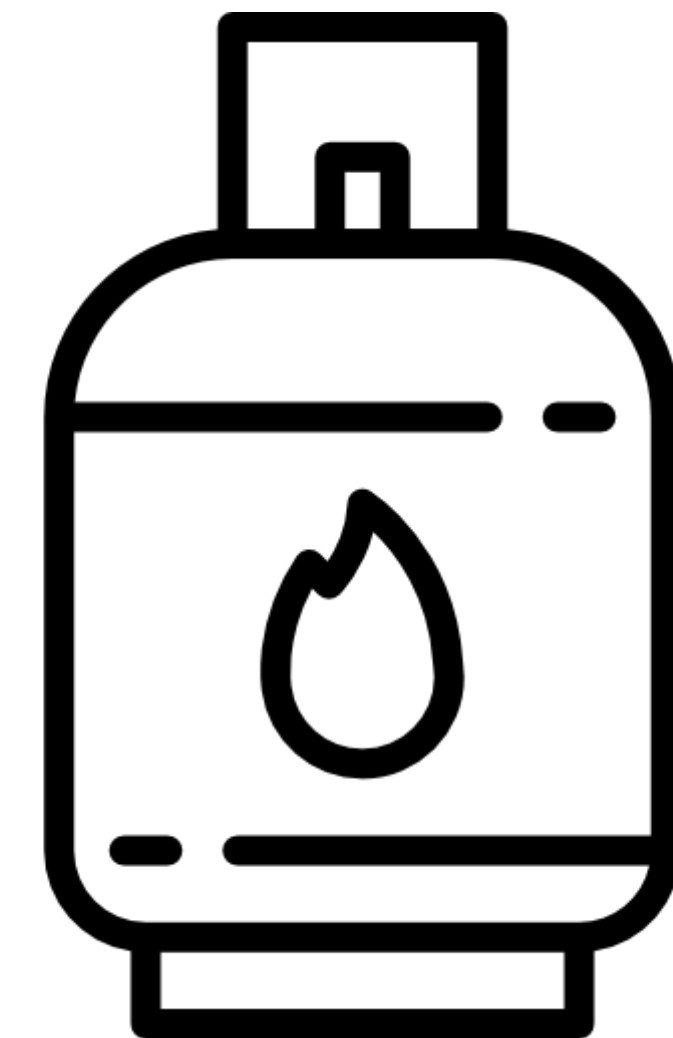
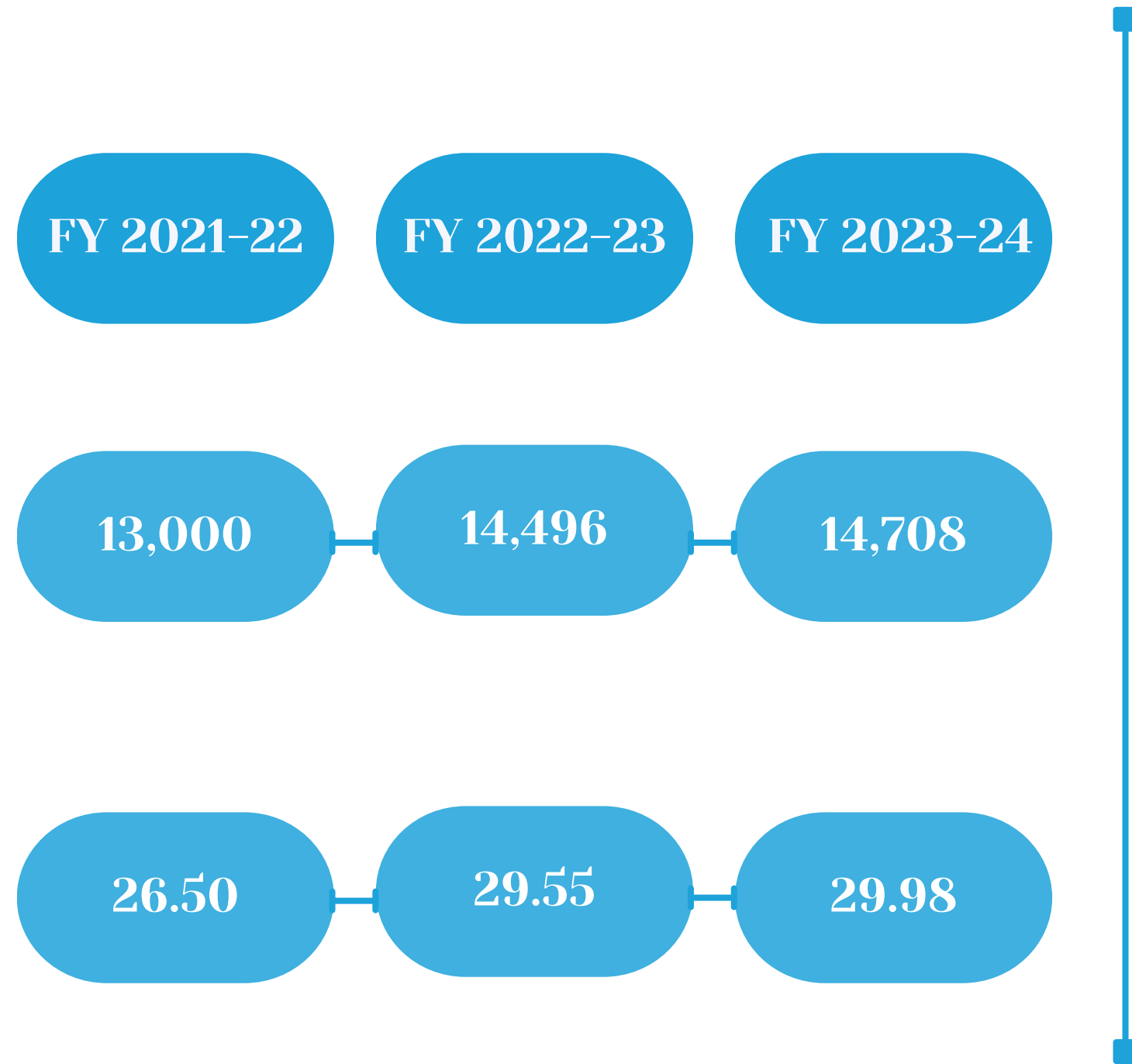
Scope 3
Other Indirect Emission

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

Scope 1 Direct GHG Emissions

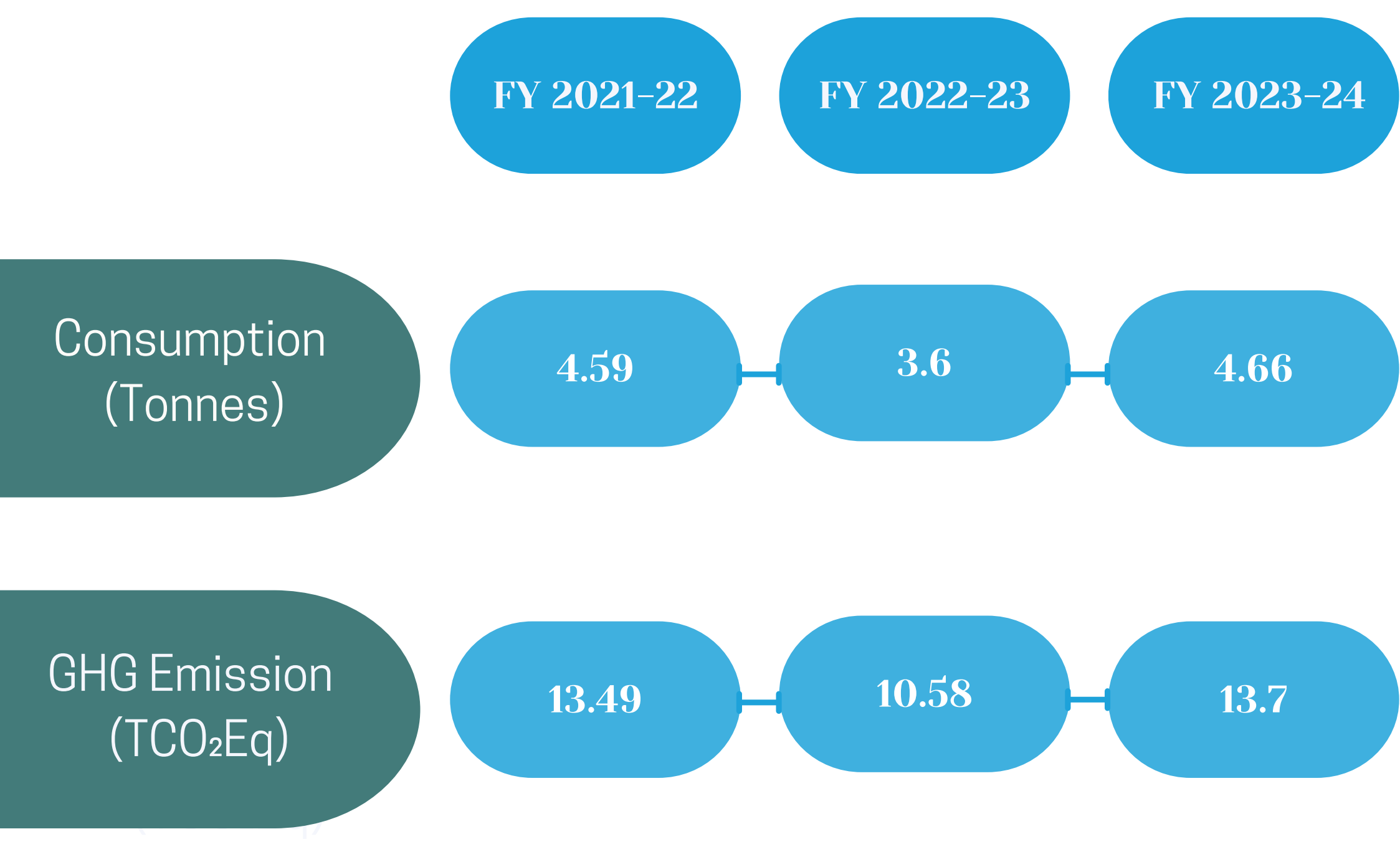
Scope 1 – Stationary Combustion

Gaseous Fuels – Natural Gas



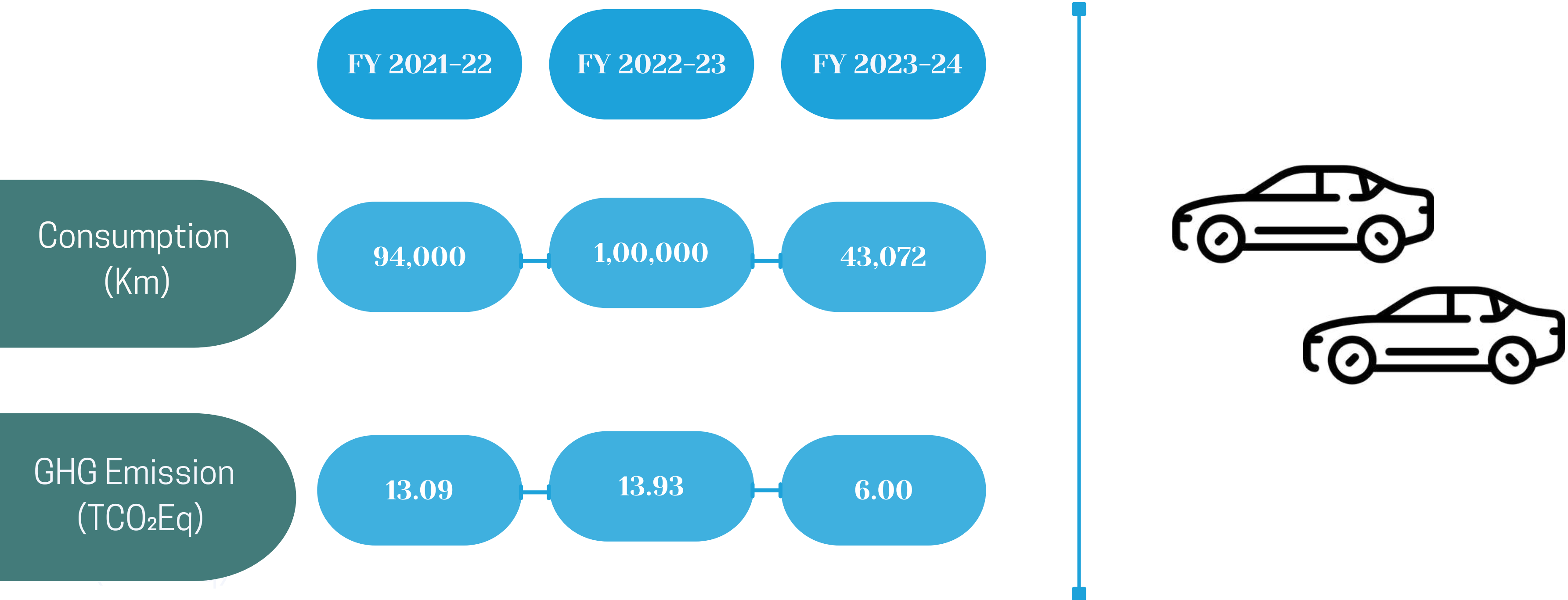
Scope 1 – Stationary Combustion

Gaseous Fuels – LPG



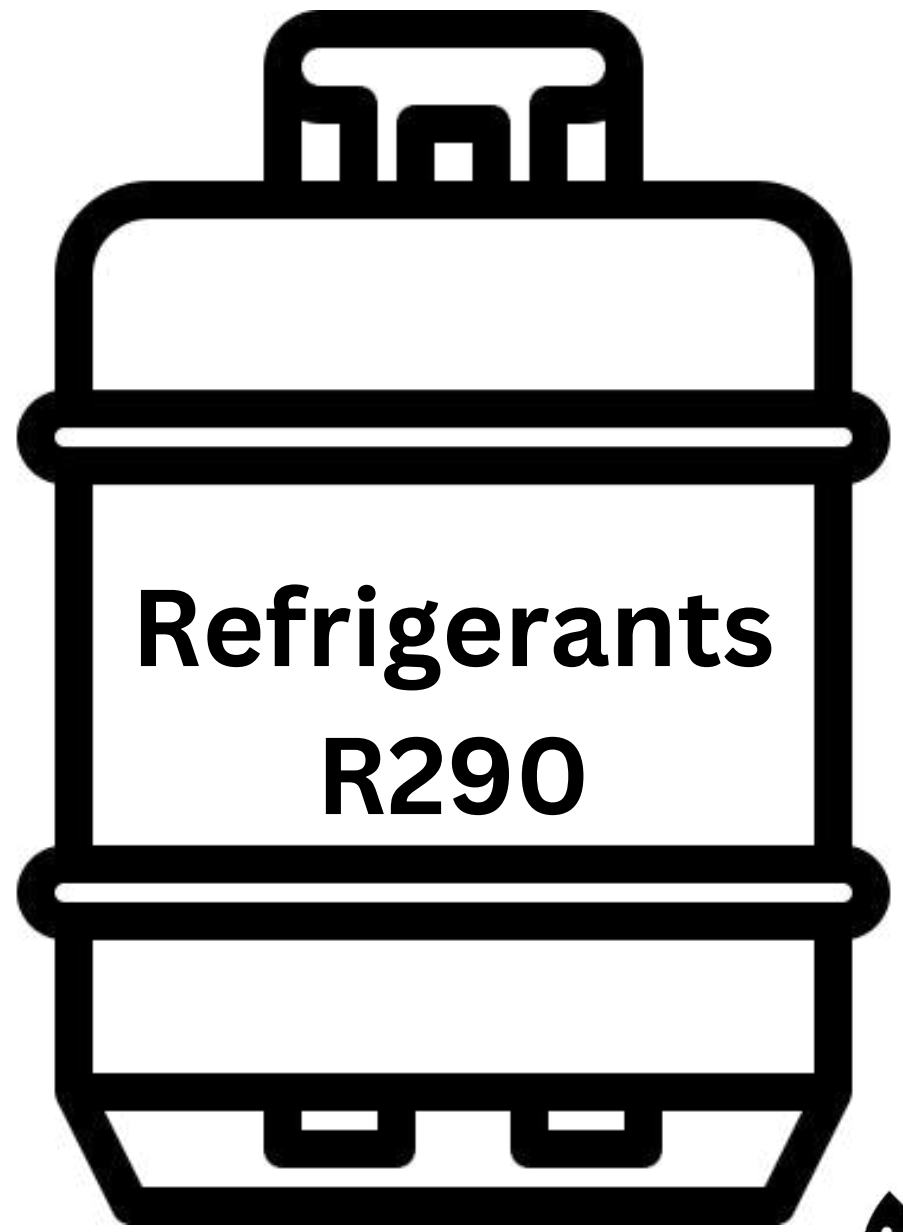
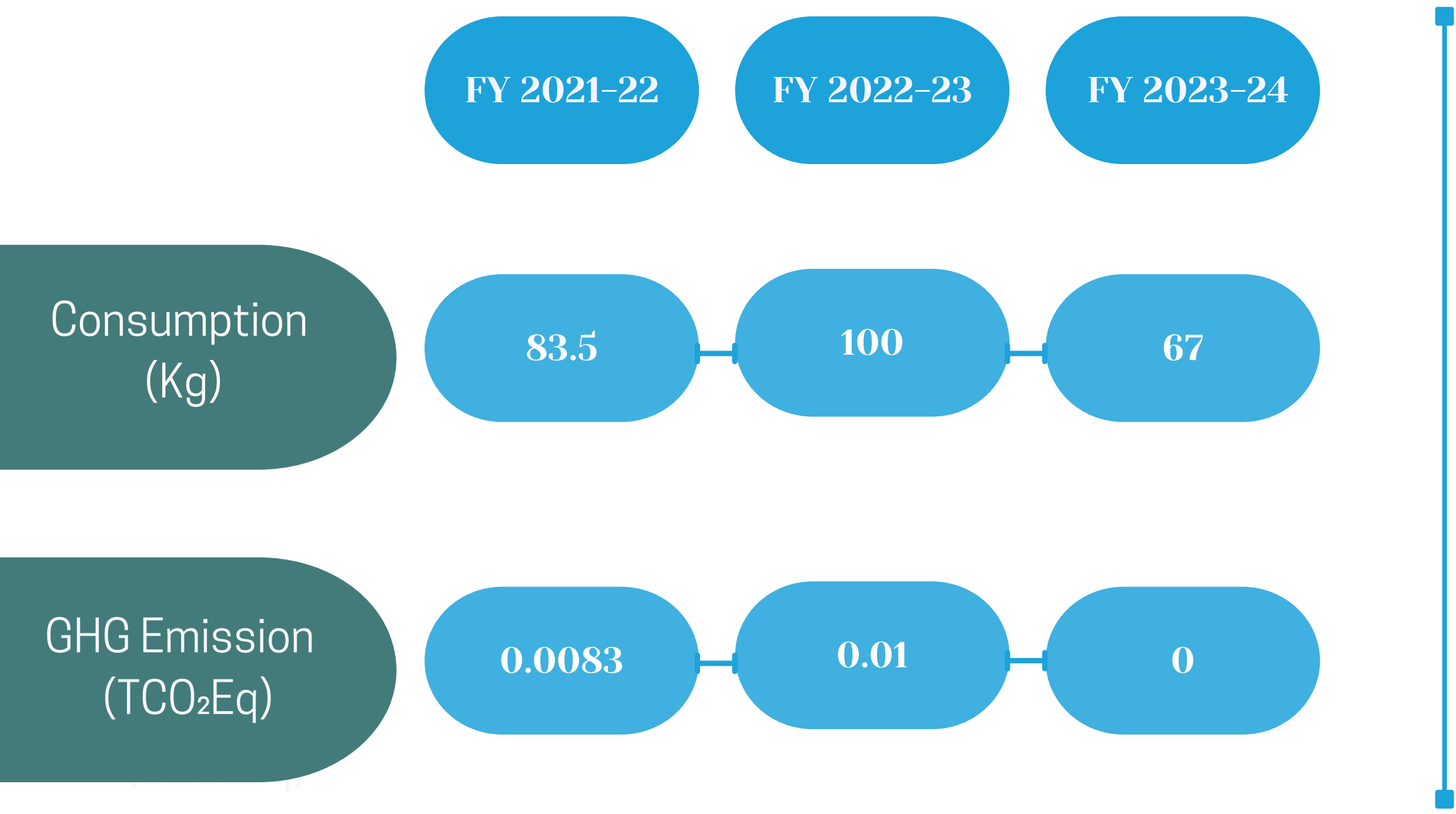
Scope 1 – Mobile Combustion

Car – Petrol and Diesel



Scope 1 – Fugitive Emission

Refrigerants – R290 = Propane



Scope 1 – GHG Emission (TCO₂Eq) Summary

FY 2021-22

- Stationary Combustion: 39.98
- Mobile Combustion: 13.09
- Fugitive Emissions: 0.00835

Total (TCO₂Eq): 53.09

FY 2022-23

- Stationary Combustion: 40.13
- Mobile Combustion: 13.93
- Fugitive Emissions: 0.01

Total (TCO₂Eq): 54.07

FY 2023-24

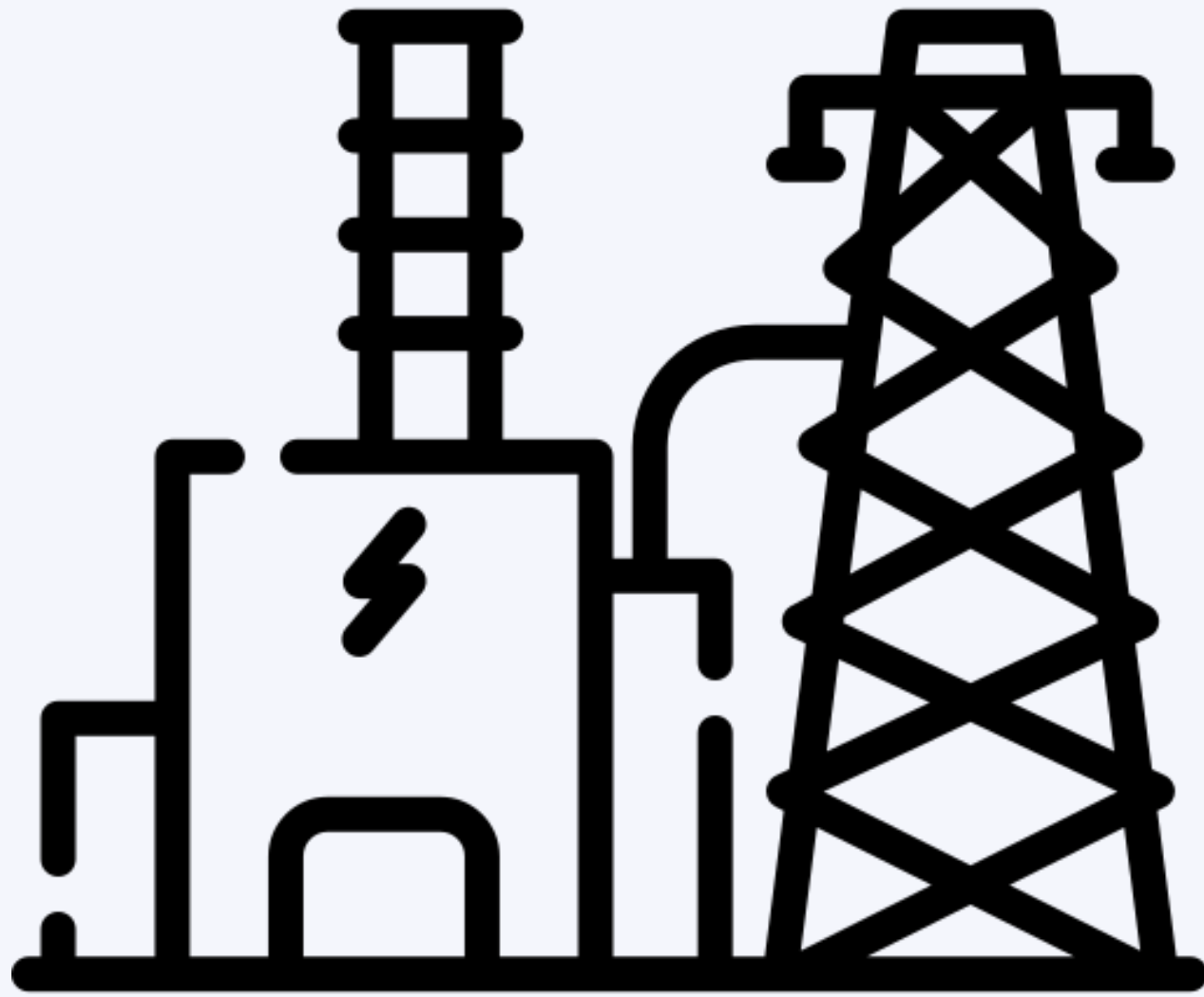
- Stationary Combustion: 43.68
- Mobile Combustion: 6.00
- Fugitive Emissions: 0

Total (TCO₂Eq): 49.68

Scope 2

Indirect GHG Emissions

Scope 2: Purchased Electricity



FY 2021-22	FY 2022-23	FY 2023-24
1,56,415	1,20,000	1,92,830
95.04	72.92	117.18

Consumption (kWh)

GHG Emission (TCO₂Eq)

Scope 2 GHG Emission (TCO₂Eq) Summary

FY 2021-22

- Imported Electricity: 95.04

Total (TCO₂Eq): 95.04

FY 2022-23

- Imported Electricity: 72.92

Total (TCO₂Eq): 72.92

FY 2023-24

- Imported Electricity: 117.18

Total (TCO₂Eq): 117.18

Scope 3

Other Indirect GHG Emissions

Scope 3 List of Categories

1 Employee Commute

2 Food Consumption

3 Purchased Goods

4 T&D Loss

5 Upstream Activities

6 Downstream Activities

7 Waste Disposal

8 Water Supply

9 Hotel Stay

Scope 3: Employee Commute Traveling by Car & Motorbike



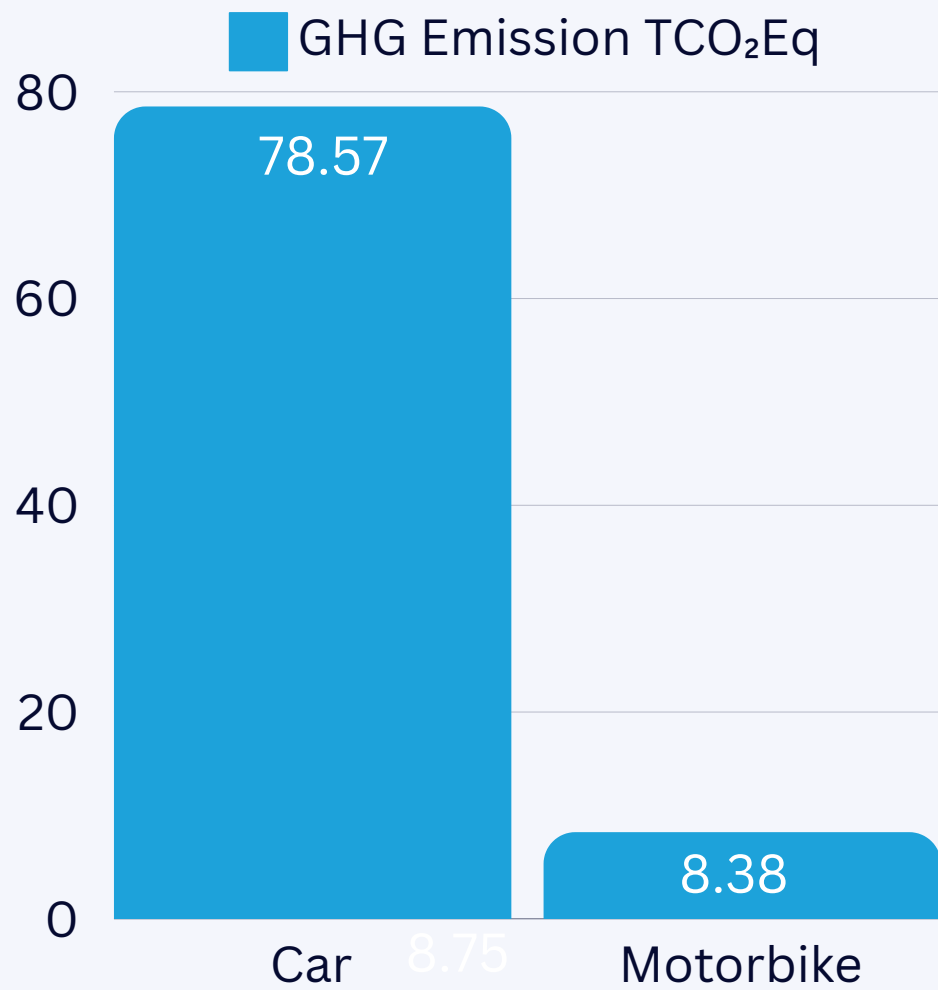
FY 2021-22	FY 2022-23	FY 2023-24
10,03,500	8,40,000	11,67,000
86.96	73.54	100.38

Consumption
(kWh)

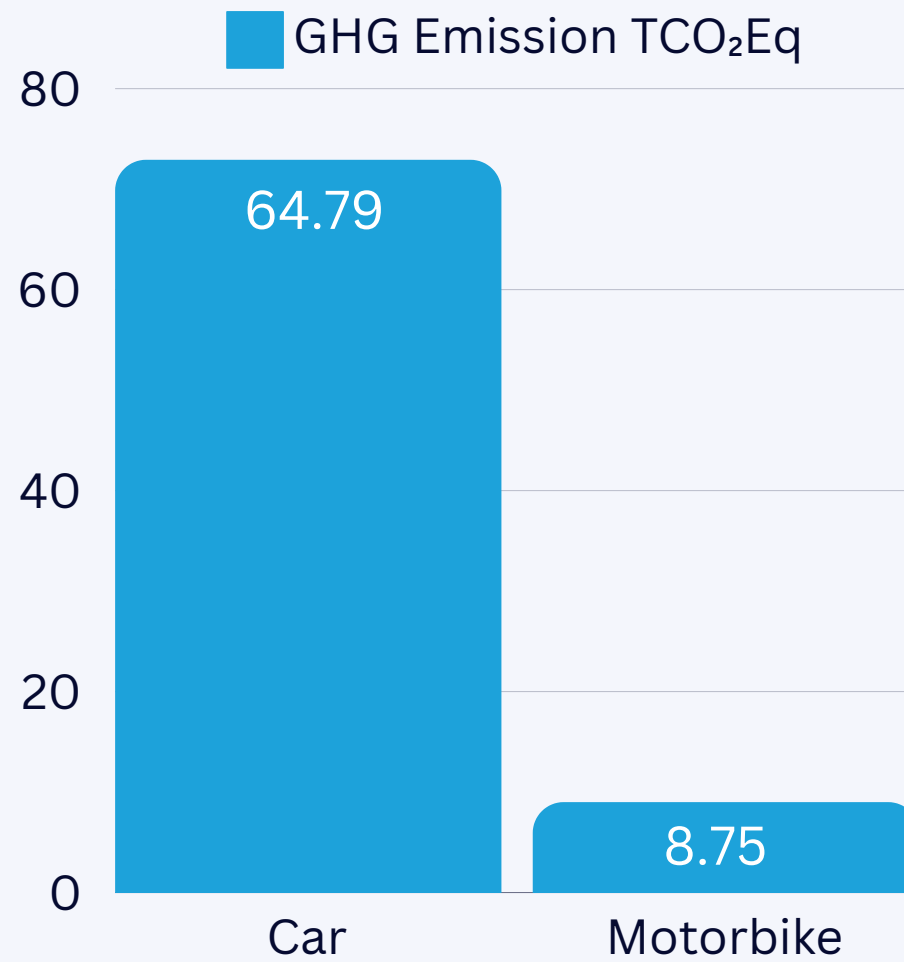
GHG Emission
(TCO₂Eq)

Scope 3: Employee Commute Car Vs Motorbike

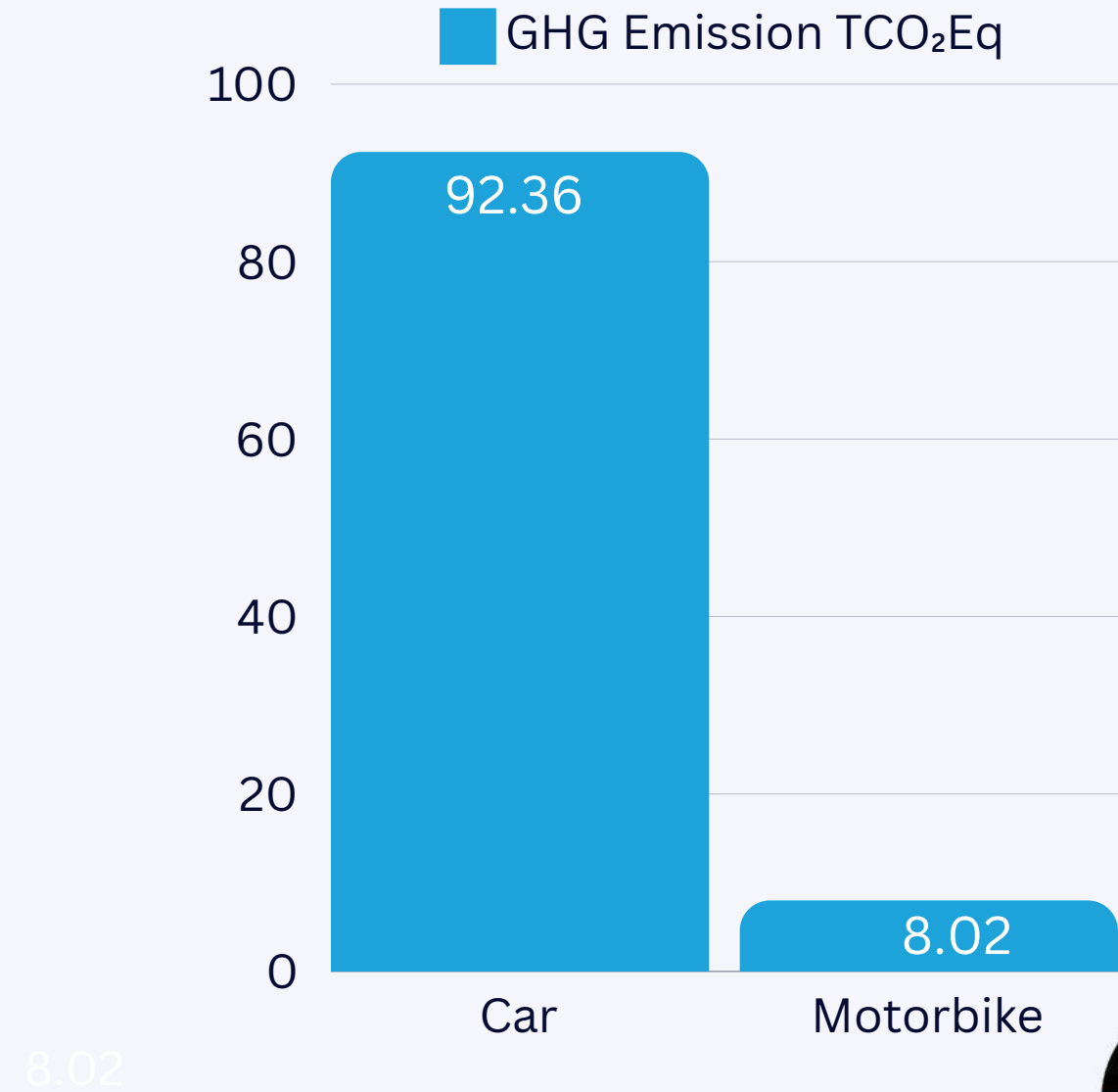
FY 2021-22



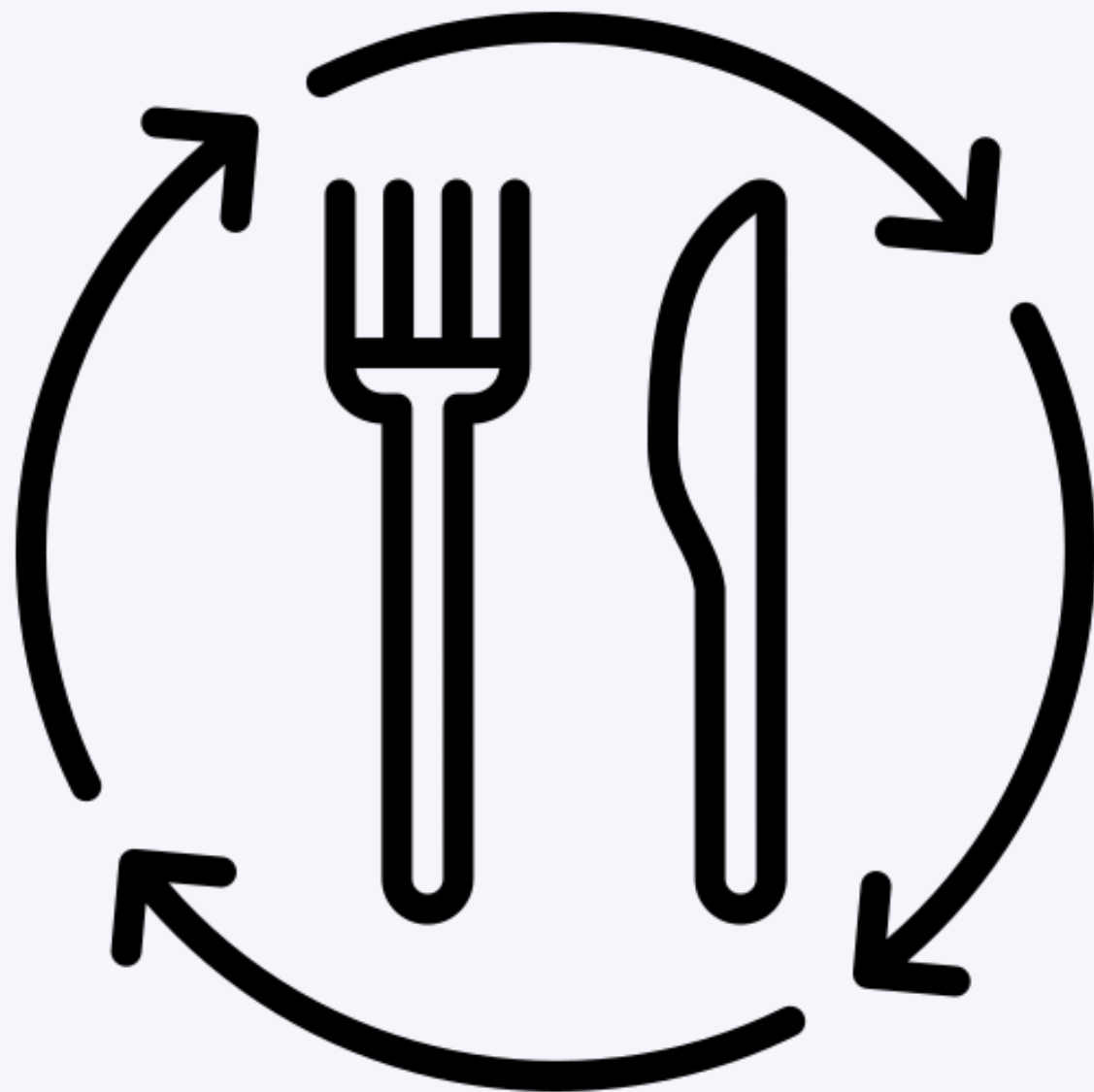
FY 2022-23



FY 2023-24



Scope 3: Food Consumption & Emission 1 Average Meal

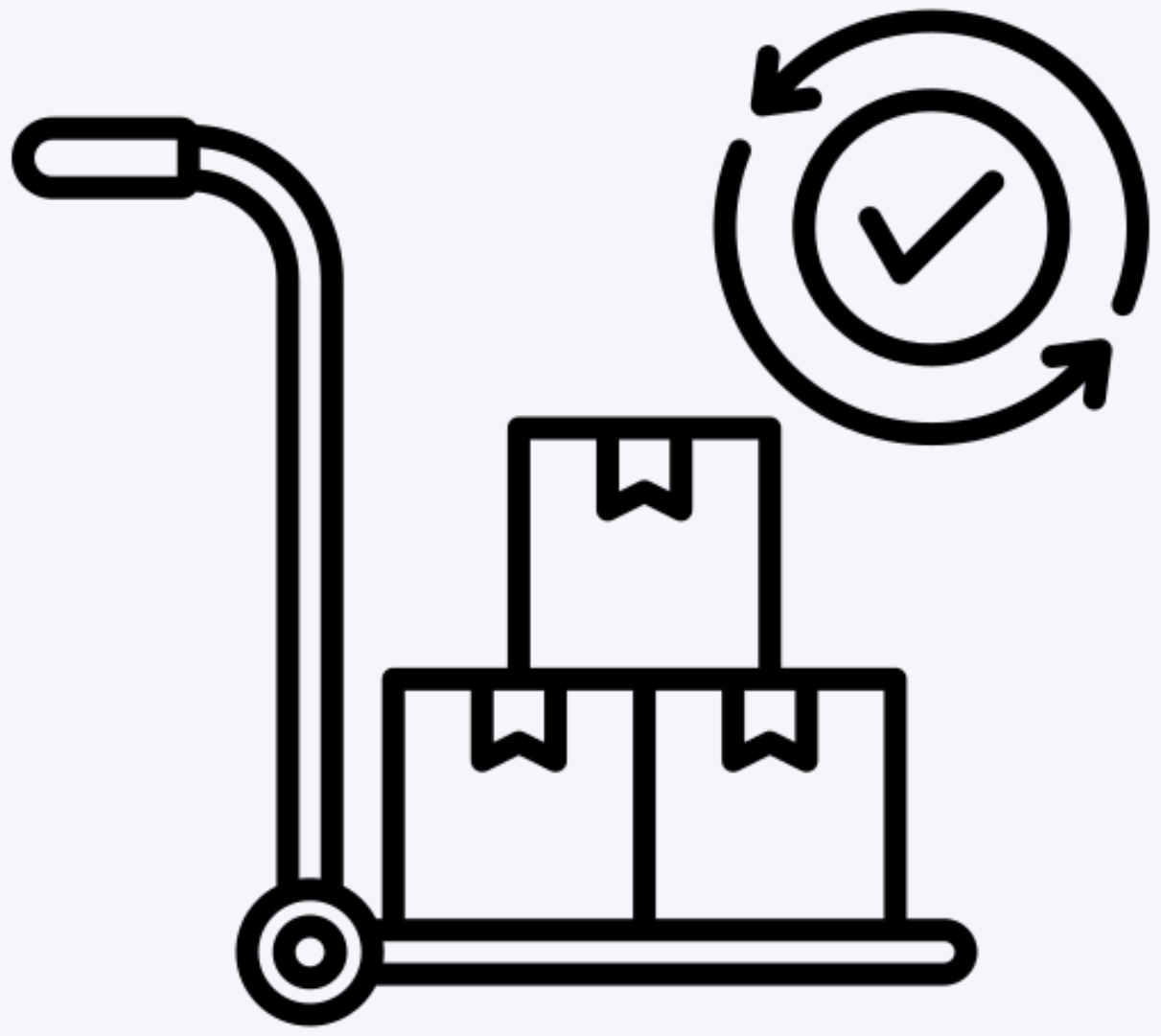


FY 2021-22	FY 2022-23	FY 2023-24
10,400	10,200	10,600
48.88	47.94	45.83

Consumption
(Meal)

GHG Emission
(TCO₂Eq)

Scope 3: Purchased Goods

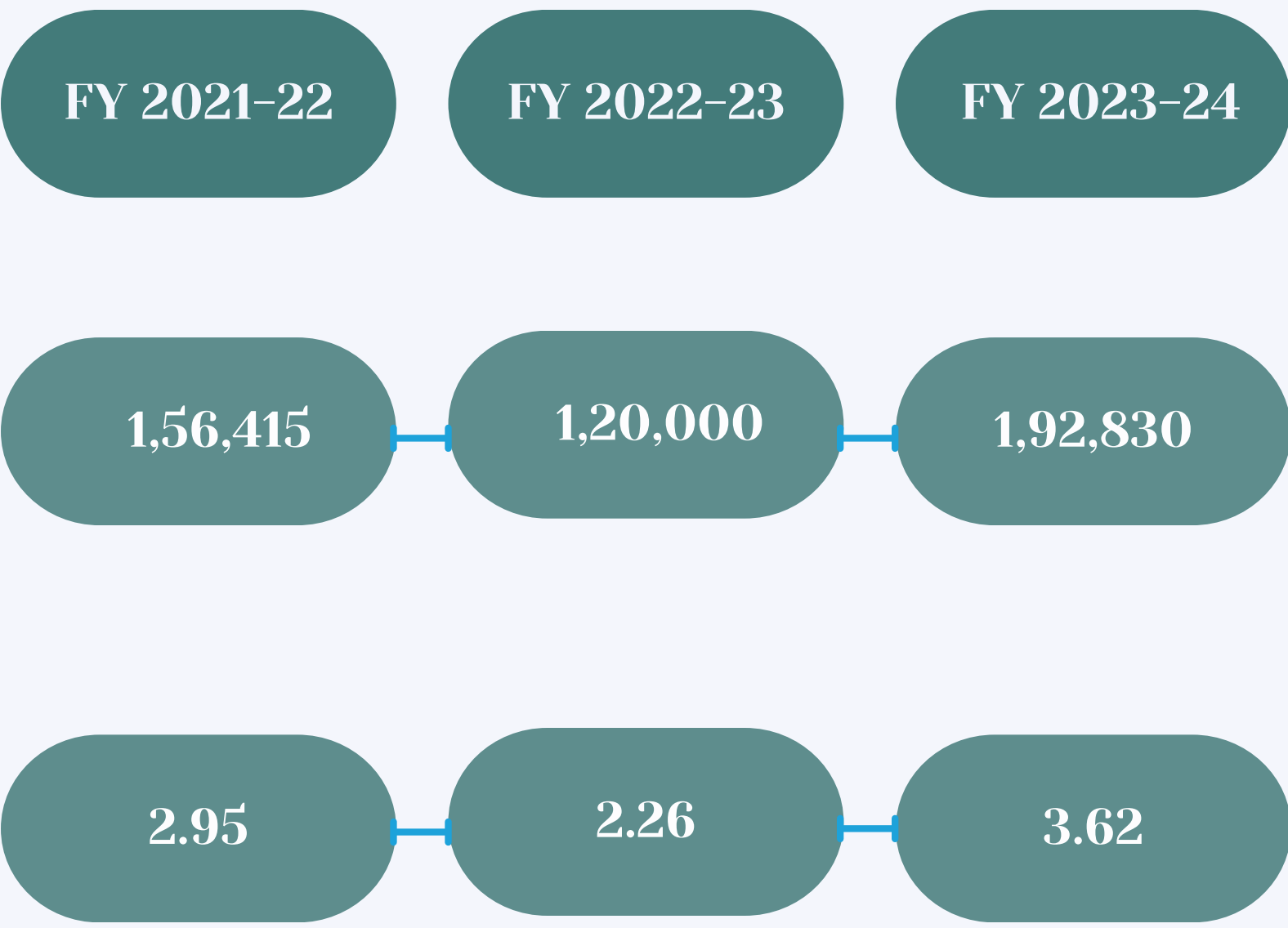
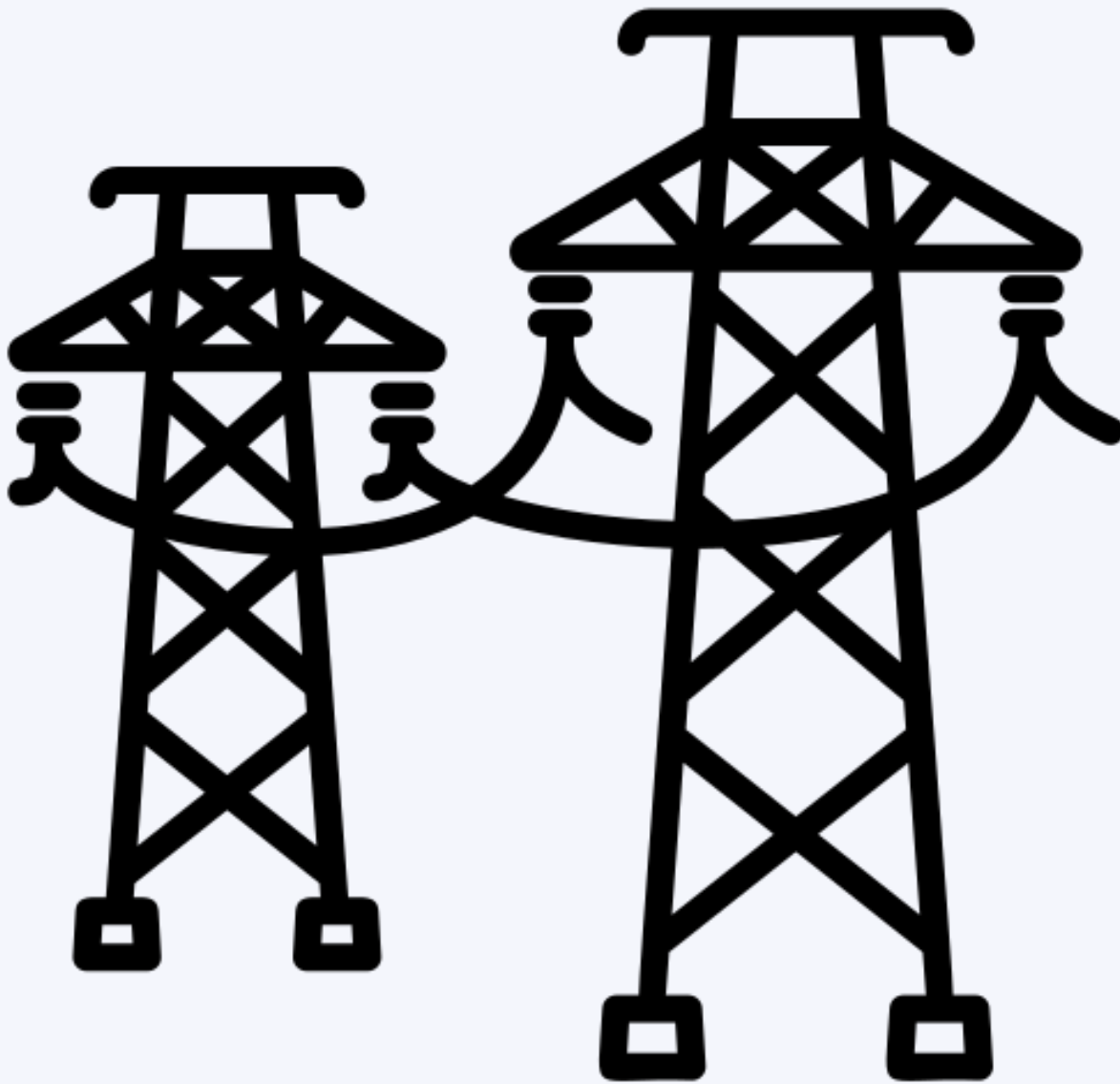


	FY 2021-22	FY 2022-23	FY 2023-24
Consumption (Tonnes)	2,283.48	2,130.85	2,436.11
GHG Emission (TCO ₂ Eq)	7,904.31	7,375.98	9,467.47

Consumption (Tonnes)

GHG Emission (TCO₂Eq)

Scope 3: Transmission & Distribution Loss



Consumption (kWh)

GHG Emission (TCO₂Eq)

Scope 3: Upstream Activities

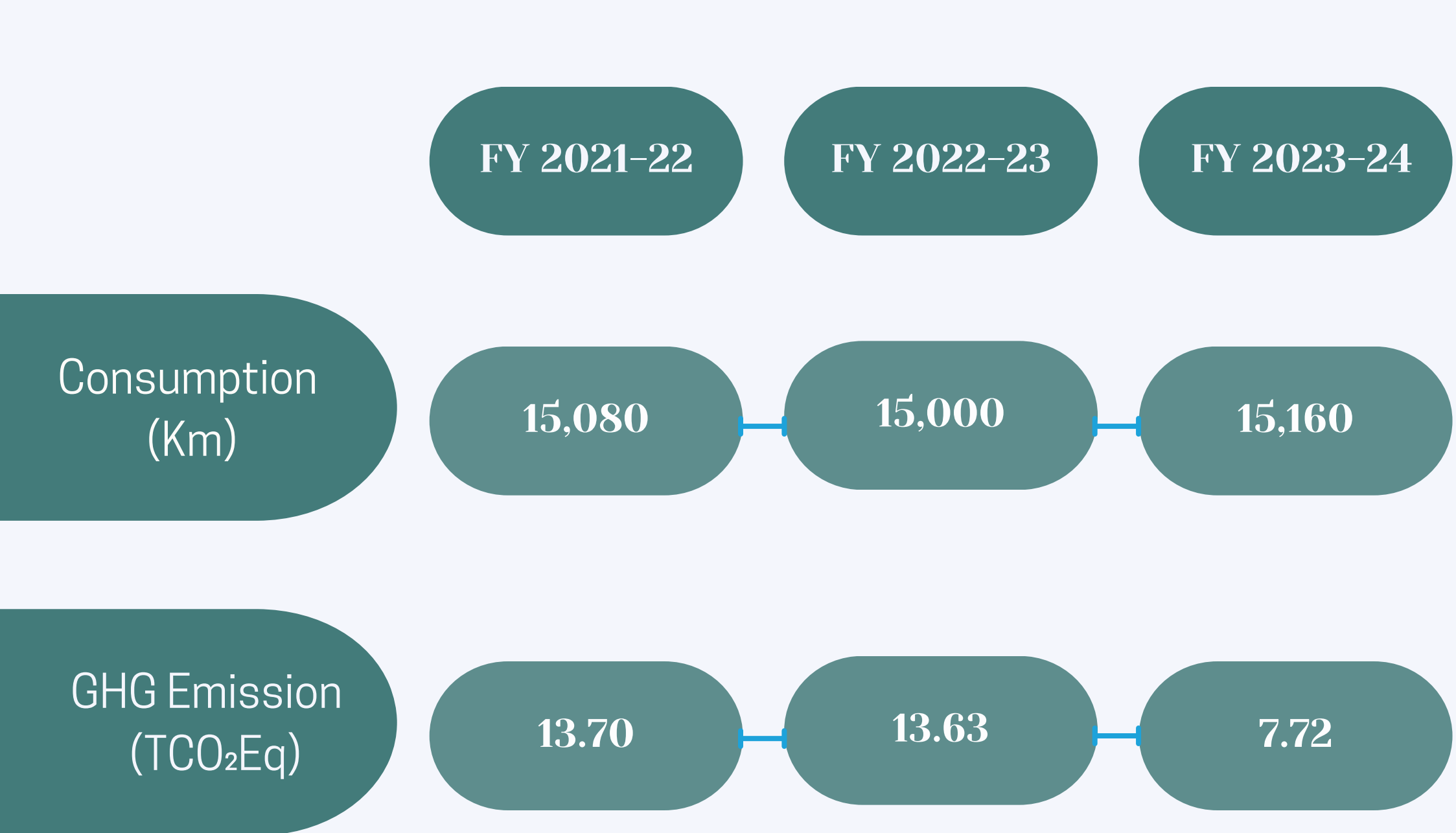


FY 2021-22	FY 2022-23	FY 2023-24
1,64,400	1,50,000	1,78,800
4,494.36	4,100.70	4,888.03

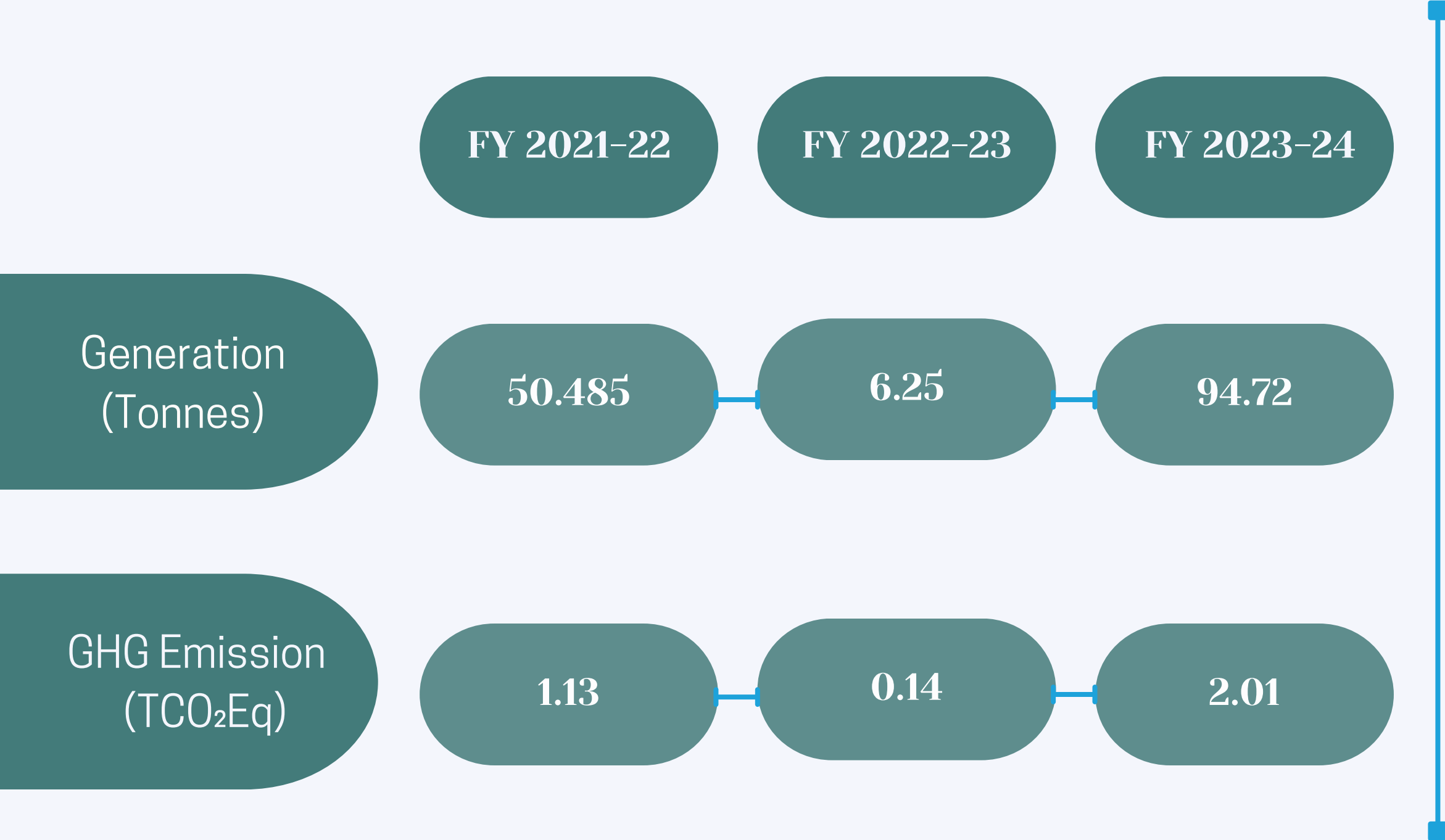
Consumption
(Km)

GHG Emission
(TCO₂Eq)

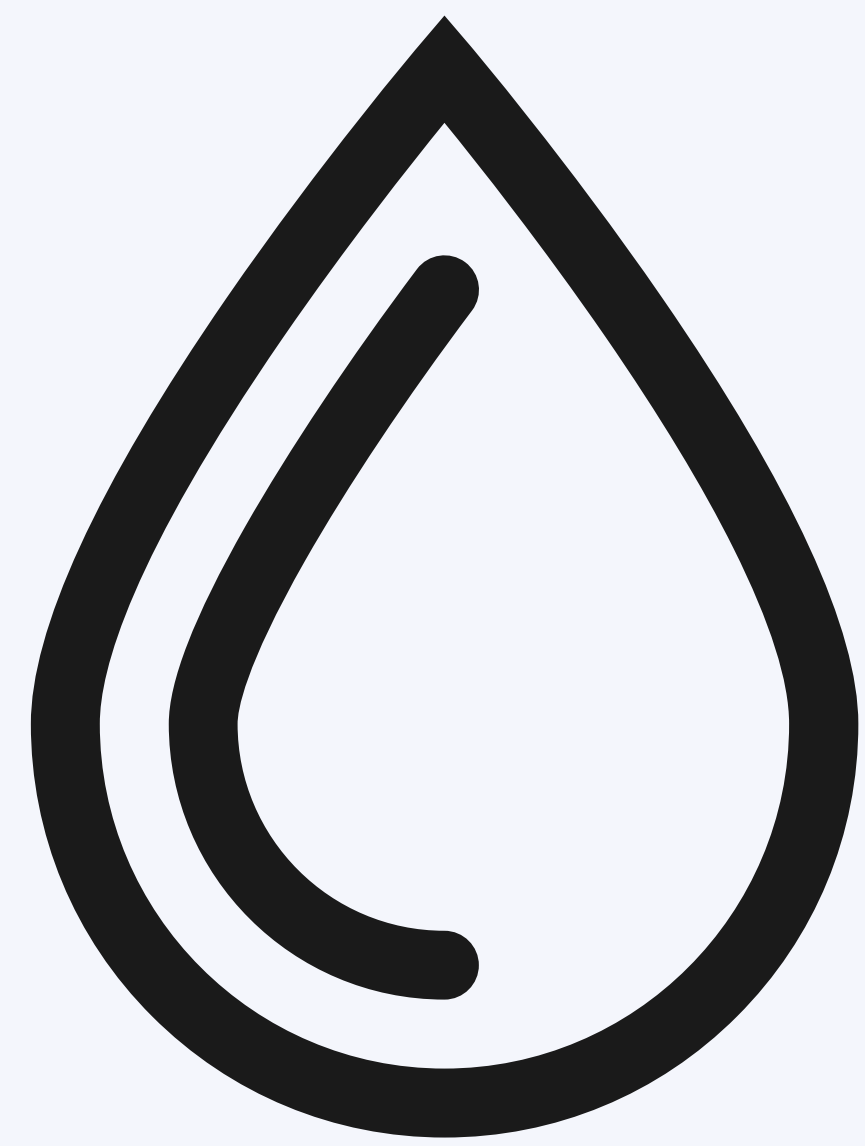
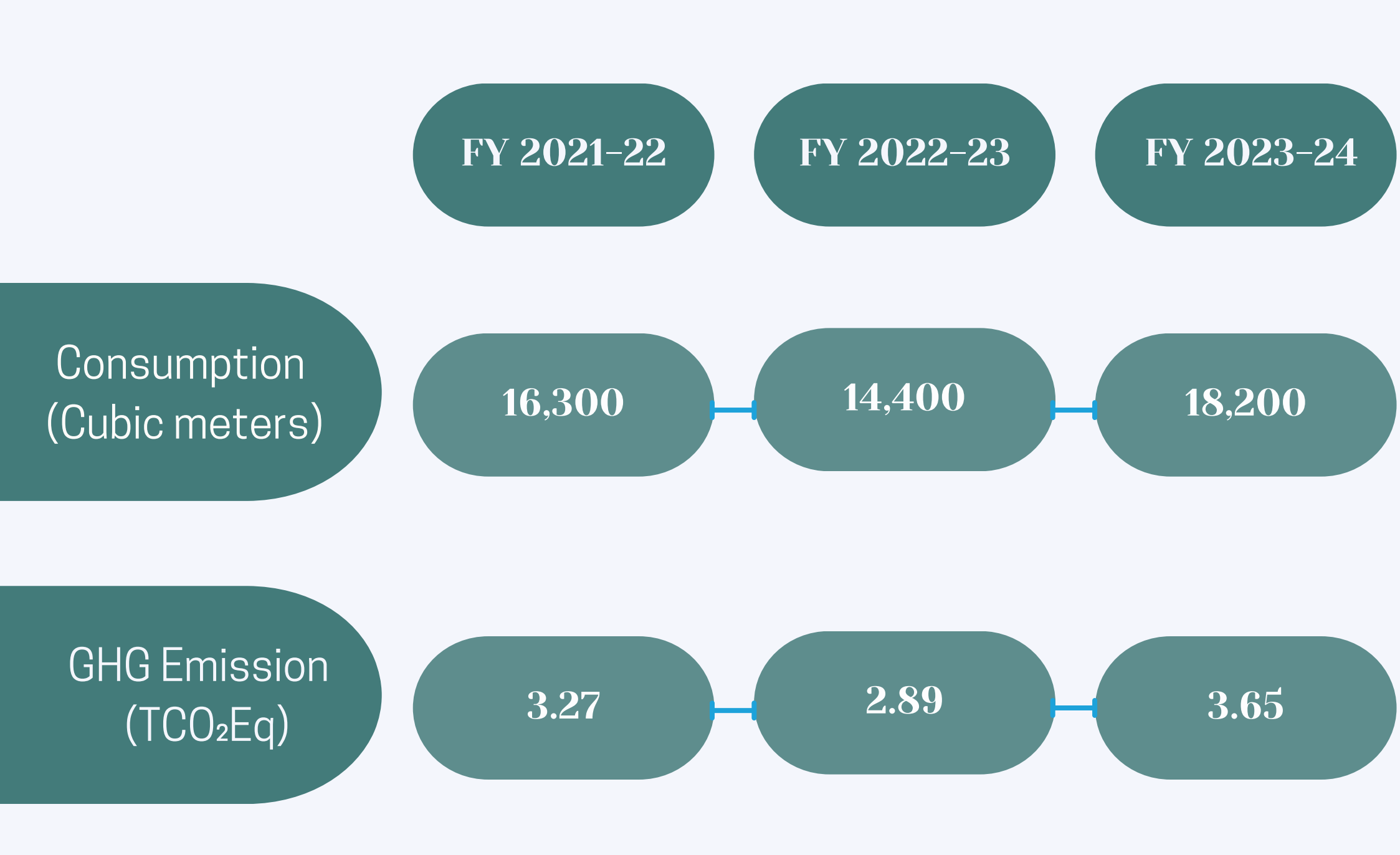
Scope 3: Downstream Activities



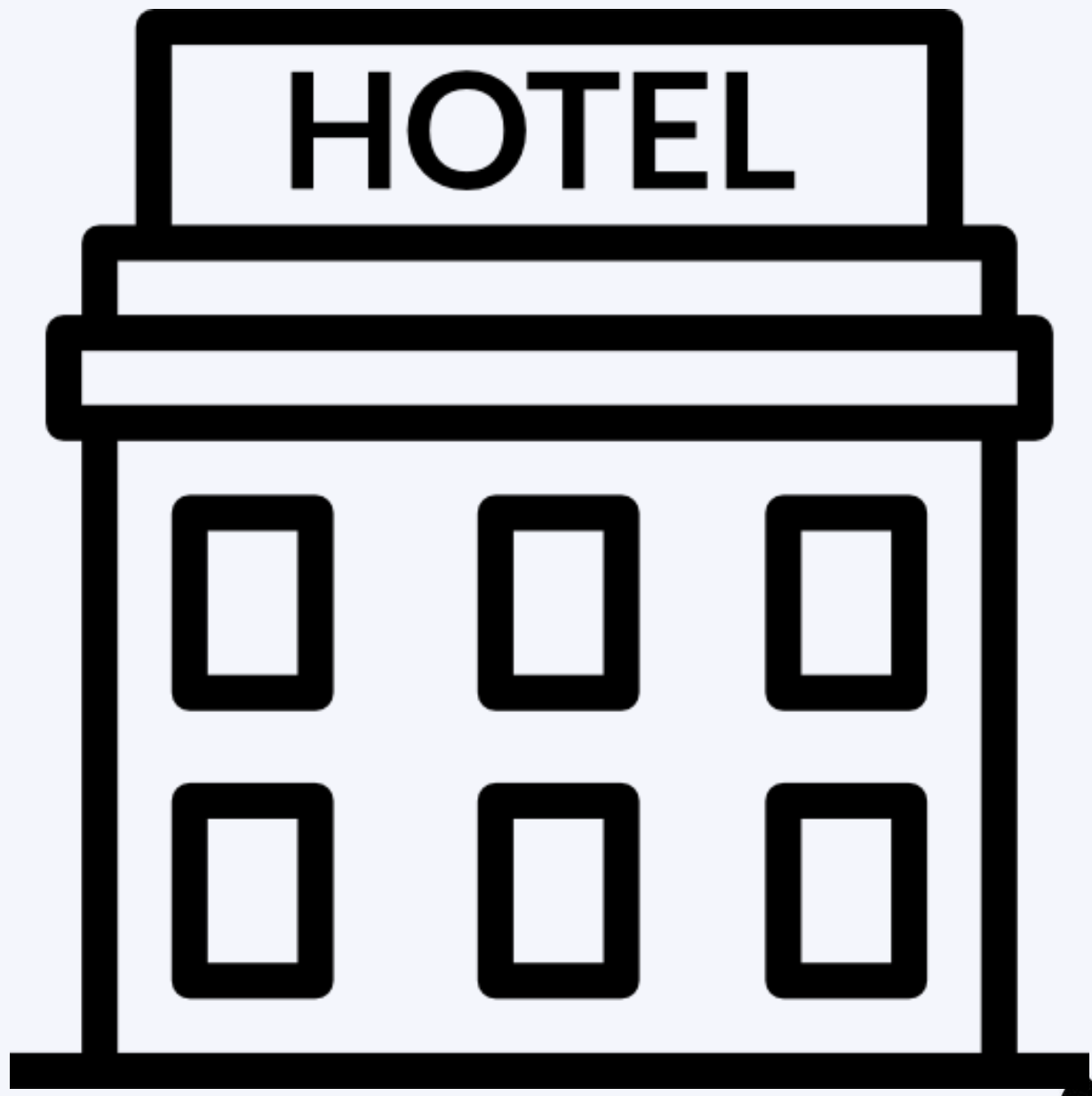
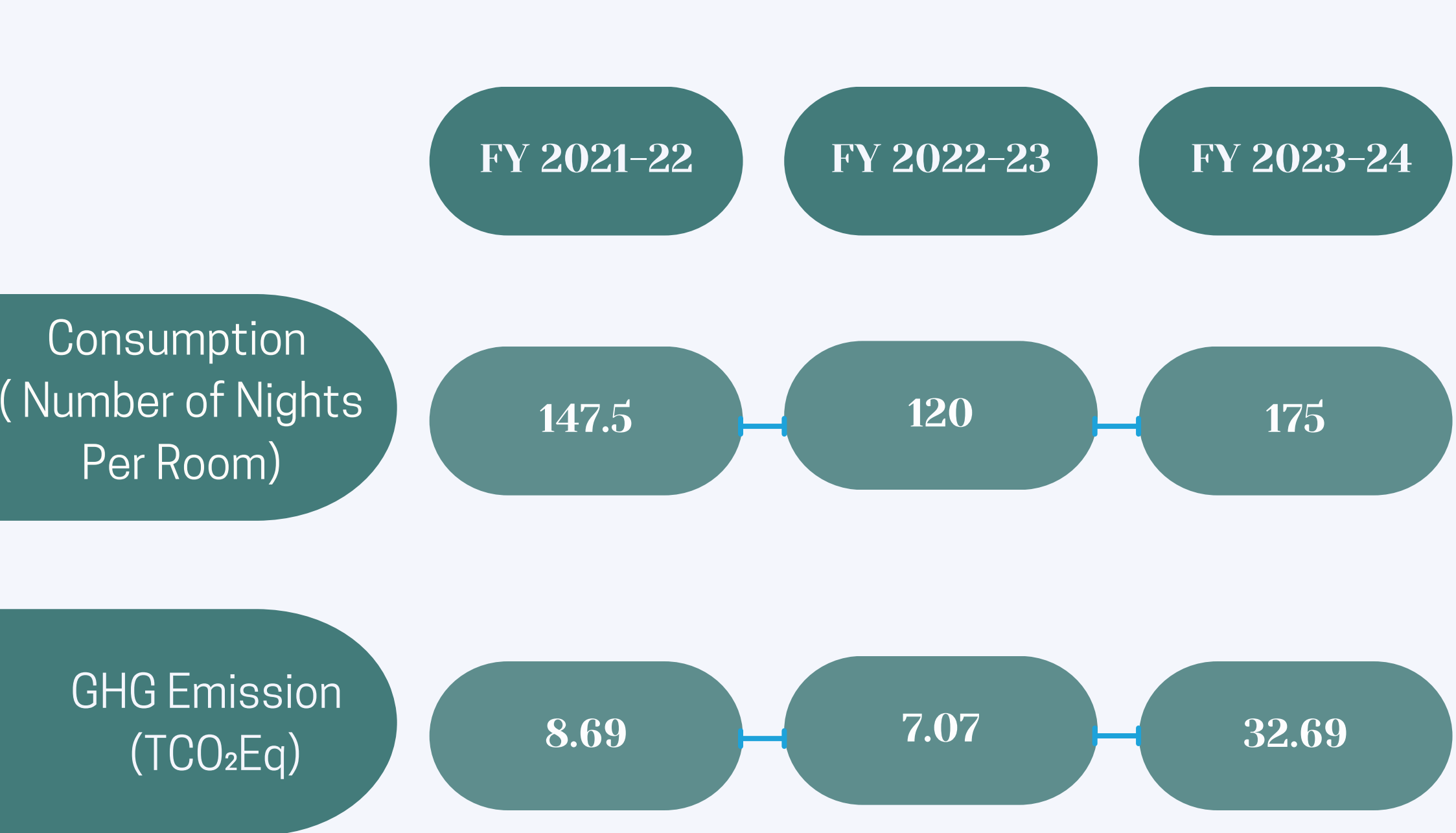
Scope 3: Waste Disposal



Scope 3: Water Supply



Scope 3: Hotel Stay



Scope 3 – GHG Emission FY 2021-22 (TCO₂Eq) Summary

FY 2021-22

- Employee Commute: 86.96
- Food consumption: 48.88
- Purchased Goods: 7,904.30
- Transmission & Distribution Loss: 2.94
- Upstream Activities: 4,494.36
- Downstream Activities: 13.70
- Waste Disposal: 1.1
- Water Supply: 3.27
- Hotel Stay: 8.6

Total: 12,564.25 TCO₂Eq

Scope 3 - GHG Emission FY 2022-23 (TCO₂Eq) Summary

FY 2022-23

- Employee Commute: 73.54
- Food consumption: 47.94
- Purchased Goods: 7,375.98
- Transmission & Distribution Loss: 2.26
- Upstream Activities: 4,100.70
- Downstream Activities: 13.63
- Waste Disposal: 0.14
- Water Supply: 2.89
- Hotel Stay: 7.07

Total: 11,624.15 TCO₂Eq

Scope 3 – GHG Emission FY 2023–24 (TCO₂Eq) Summary

FY 2023-24

- Employee Commute: 100.38
- Food consumption: 45.83
- Purchased Goods: 9,467.47
- Transmission & Distribution Loss: 3.62
- Upstream Activities: 4,888.03
- Downstream Activities: 7.72
- Waste Disposal: 2.01
- Water Supply: 3.65
- Hotel Stay: 32.69

Total: 14,551.4 TCO₂Eq

Total GHG Emission (TCO₂Eq) (FY 2021-22, FY 2022-23 & FY 2023-24)

Scope 1: 53.09 TCO₂Eq
Scope 2: 95.04 TCO₂Eq
Scope 3: 12,564.25 TCO₂Eq

**FY
2021-22** **Total: 12,712.40 TCO₂Eq**

Scope 1: 54.07 TCO₂Eq
Scope 2: 72.92 TCO₂Eq
Scope 3: 11,624.15 TCO₂Eq

**FY
2022-23** **Total: 11,751.14 TCO₂Eq**

Scope 1: 49.68 TCO₂Eq
Scope 2: 117.18 TCO₂Eq
Scope 3: 14,551.4 TCO₂Eq

**FY
2023-24** **Total: 14,724.53 TCO₂Eq**



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