



Carbon Reporting 2024

AN OVERVIEW OF PRIMELINE'S CARBON MAPPING (JULY 2023 – JUNE 2024)





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PRIMELINES TOTAL CARBON EMISSIONS FOR 23/24 WAS

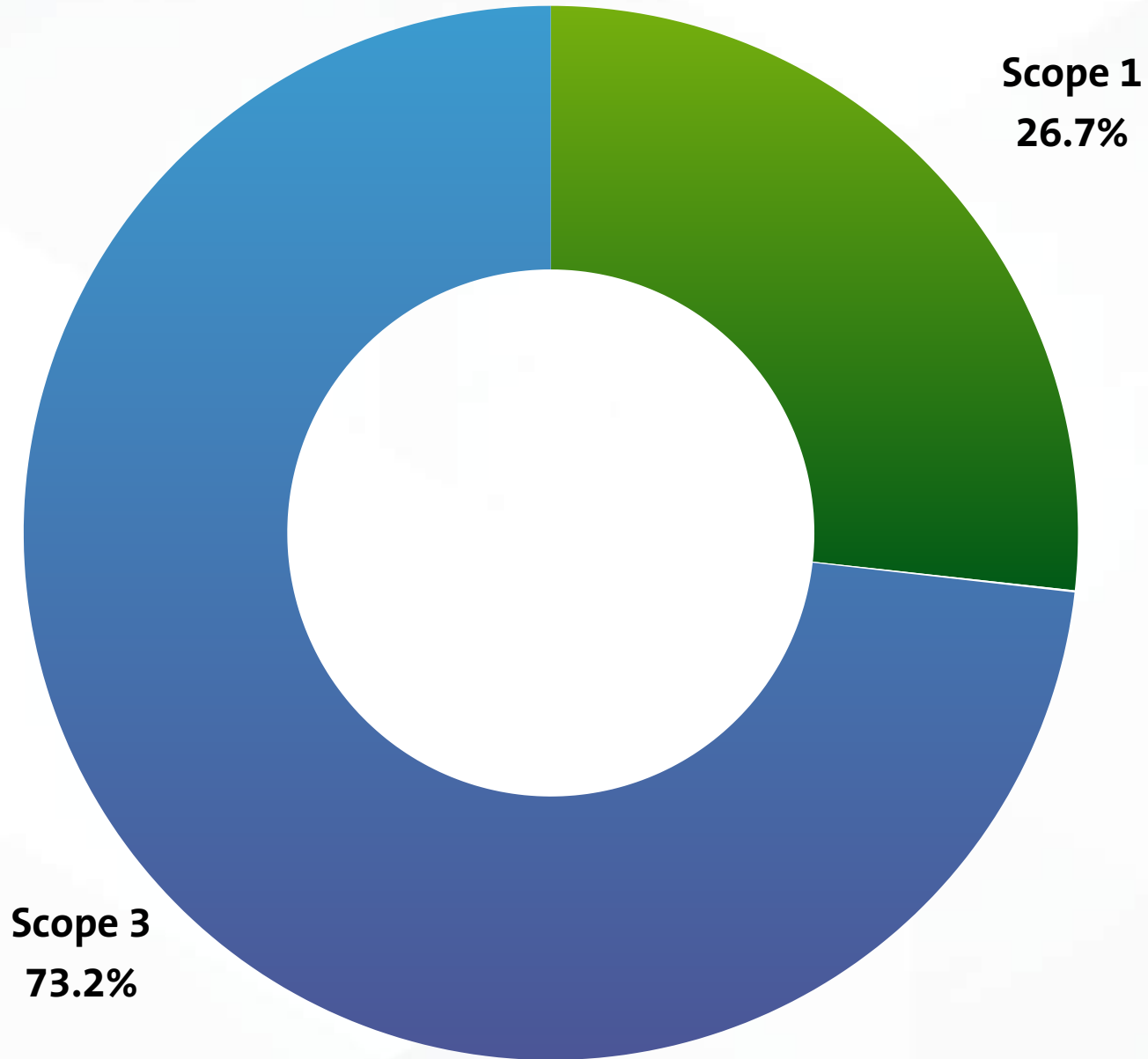
16,636 tCO₂e

across Scope 1, Scope 2 & Scope 3

The calculation was conducted using the categories, definitions, and methodological guidelines of the Greenhouse Gas Protocol and the Intergovernmental Panel on Climate Change (IPCC), ensuring a streamlined approach that focuses on the most relevant emission data while simplifying the identification of emission sources and the calculation process.



● Scope 1 ○ Scope 2 ● Scope 3



● Scope 1	26.7% (4447,64 t CO ₂ eq)
○ Scope 2	0.0935% (11,69 t CO ₂ eq)
● Scope 3	73.2% (12, 177.32 tCO ₂ eq)
TOTAL	16,636.65 t CO₂eq

Total Carbon Emissions Breakdown 23/24

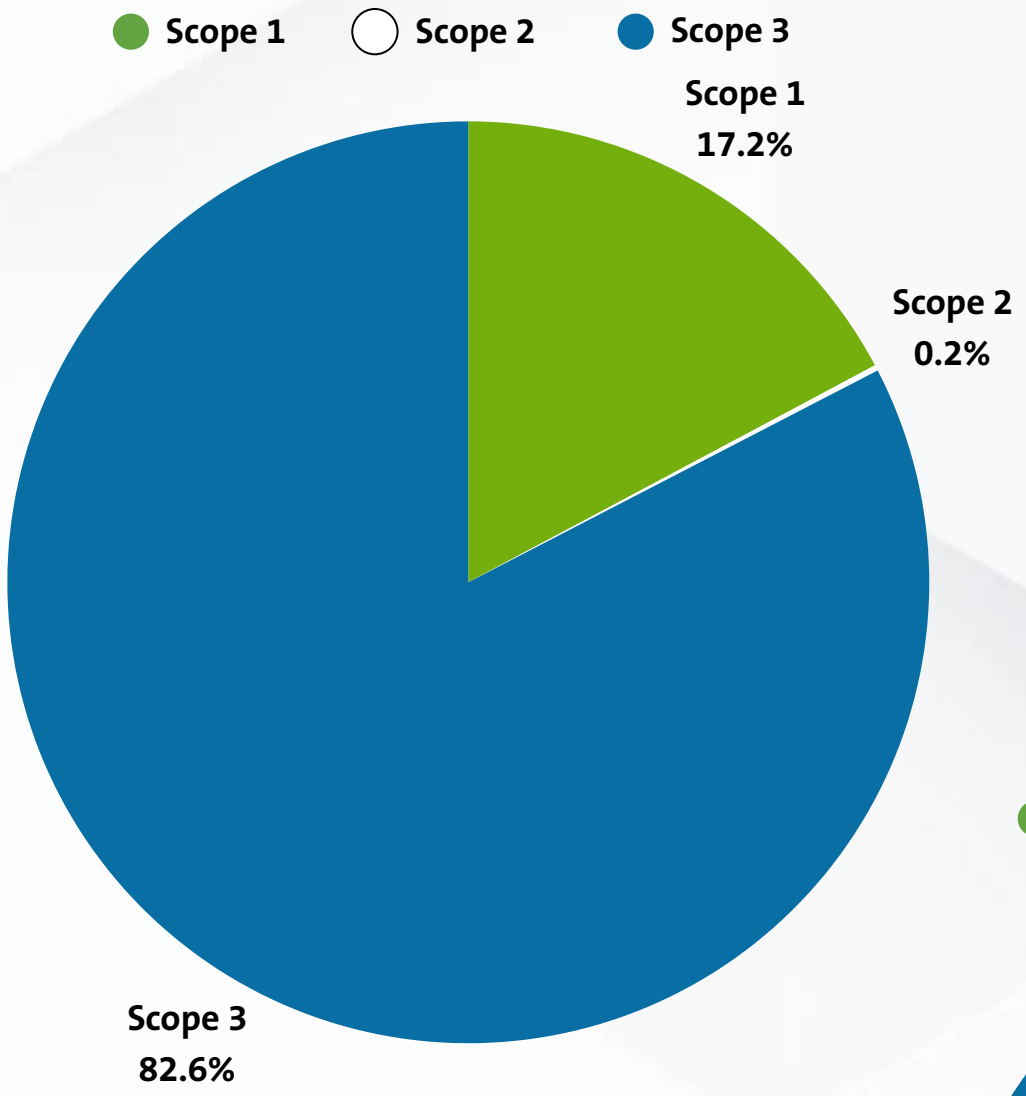
The graphic displays a percentage breakdown of Primelines Carbon Emissions across Scope 1, 2 & 3.

Primeline has successfully met its carbon targets for 2023/2024.

Primeline's financial year runs from July to June each year.

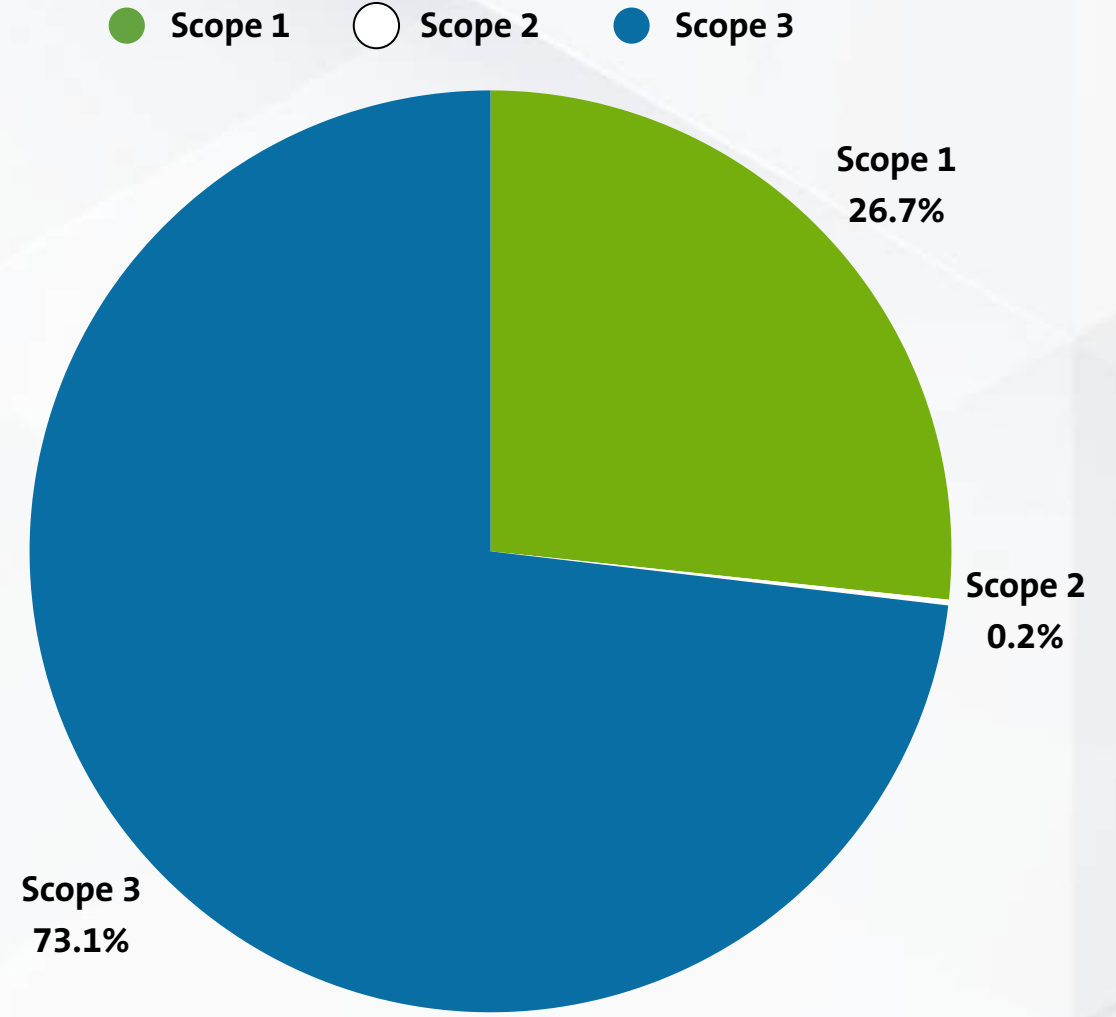
From 2022/23 to 2023/24 we saw...
a **-22.62%**
drop in
emissions.

Primeline's financial year runs from July to June each year.



21,499 tCO₂e (22/23)

Total emissions drop from 21,499 tCO₂e (2022/23) → 16,636.65 tCO₂e (2023/24)



16,636.65 tCO₂e (23/24)

Executive Summary

A Quick Look at Our Carbon Comparison Across Previous Years

Category	2021/22 (tCO ₂ e)	2022/23 (tCO ₂ e)	2023/24 (tCO ₂ e)	% Change 22/23 - 23/24
Total	23,313	21,499	16,636.65 tCO ₂ e	-22.62%
Scope 1	2,636	3,706	4,447.64	+20%
Scope 2	2,377	45	11.69	-74%
Scope 3	18,300	17,748	12,177.32	-31.39%

Colour Map

- Additional data added
- Progress made to target
- On track to target
- On target

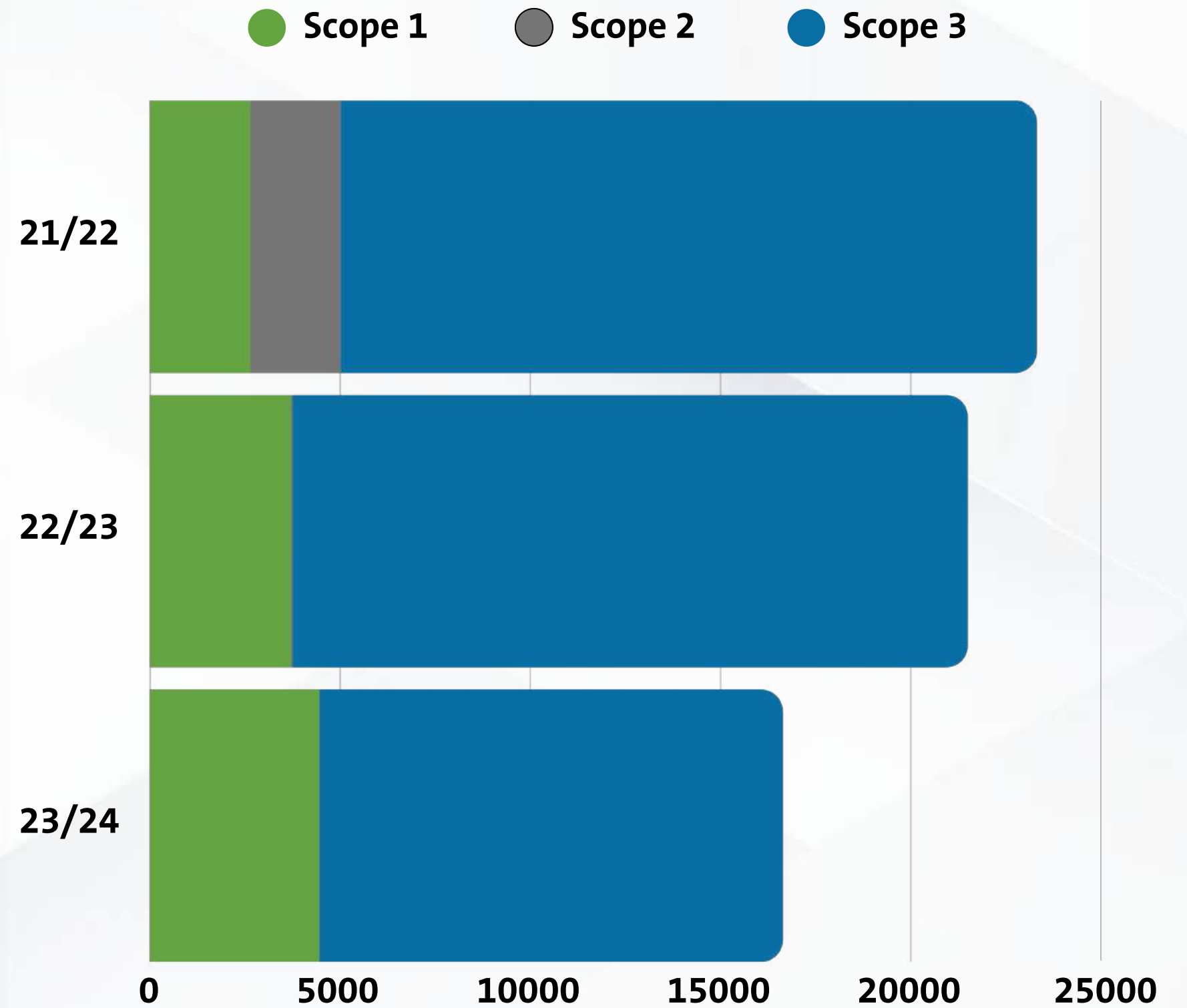


While total emissions dropped by 22.62% from 2022/23 to 2023/24, Scope 1 increased by 20% due to the inclusion of more sites and an expanded owned fleet. HVO usage began in May 2024, so its benefits are not yet reflected in this cycle. In the next carbon map, we expect a significant Scope 1 reduction, with up to 90% lower emissions from fleet operations.

Year on Year Review

Reviewing our emissions in line with targets

- ✘ Scope 1 emissions increased (+20%) due to the inclusion of more sites and an expanded owned fleet.
- ✔ Scope 2 emissions reduced by 74% due to renewable energy switch.
- ✔ Scope 3 emissions cut by 31%, which would mean we are on track to meet our 55% reduction target.



Scope 1

Let's take a look into our Scope 1 emissions for July 23-June 24



Key Data

Scope 1 emissions (2023/24):

4,447.64 tCO₂e

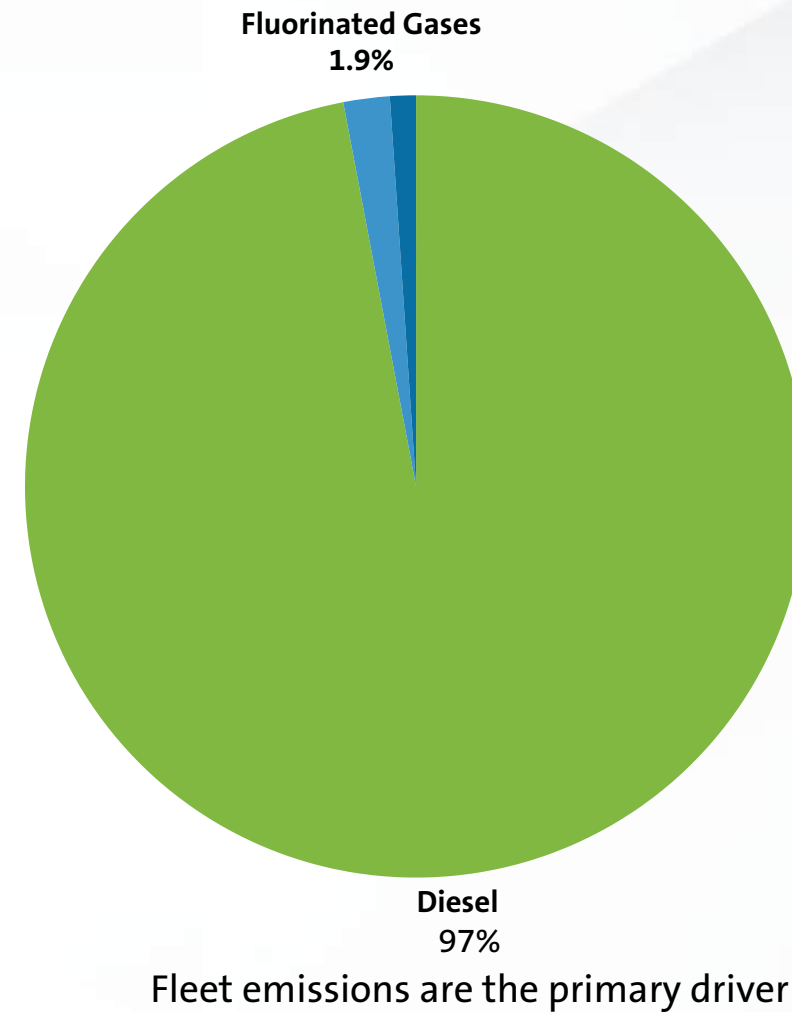
2022/23 comparison:

3,706 tCO₂e (+20% increase)

Fuel Breakdown:

Diesel consumption: 1,620,968.37 L

Natural Gas: 237,851.40 kWh



Reduction Plan

- ✓ Adoption of Hydrotreated Vegetable Oil (HVO) – We are currently in the process of implementing an integrated system, with over 75% of our fleet already operating on HVO.
- ✓ Ongoing enhancements in route and logistics efficiency as part of the integrated system rollout

Scope 1 Emissions

Scope 1 emissions were primarily driven by diesel consumption (4,361.68 tCO₂e) and fluorinated gases (85.95 tCO₂e), with stationary combustion from natural gas contributing an additional 48.2 tCO₂e.

While fuel-related emissions are well-tracked, improvements in fleet efficiency data, refrigerant leak monitoring, and equipment fuel usage have enhanced accuracy and will facilitate future reductions.



Scope 1 - Snapshots



Scope 1 % of overall
23/24 emissions
35.57%



Scope 1 emissions
= 1,000 one-way flights
from London to New York
per passenger

Comparison of Year on Year Scope 1 emissions



4 447,64 T CO₂EQ

Amount of Carbon Emissions
released through Scope 1
Activities



Equivalent to the carbon
sequestration of:

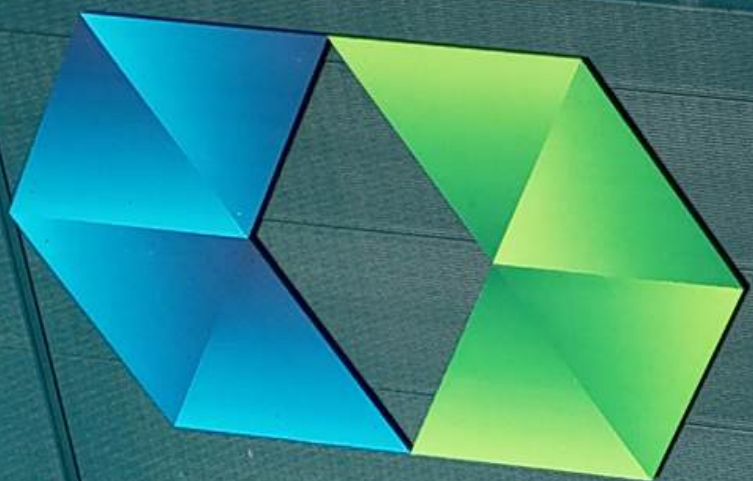
- 74,000 tree seedlings
grown for 10 years
- 5,000 acres of U.S.
forests in one year

+20%

increase from 22/23 scope 1
carbon emissions

Scope 2

Let's take a look into our Scope 2 emissions for July 23-June 24



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Key Data

Scope 2 emissions (2023/24):

11.69 tCO₂e 2022/23

Comparison:

45 tCO₂e (-74% reduction)

Energy Consumption:

Renewable energy used: 3,763,438.93 kWh

Non-renewable electricity remaining: 55,211 kWh

Reduction Plan

- ✓ Complete renewable transition for all sites.
- ✓ We currently operate with over 1,100 kWp of installed solar capacity and are actively planning to expand both generation and battery storage to further reduce grid reliance and emissions.

Scope 2 Emissions

Scope 2 emissions were largely mitigated through the use of renewable electricity (3,763,438.93 kWh), leaving only 55,211 kWh of non-renewable energy contributing to emissions.

Moving to 100% renewable electricity across all sites, verifying district heating usage, and exploring increasing on-site renewable generation would help achieve complete decarbonisation of Scope 2.

Scope 2 - Snapshots



Scope 2 % of overall
23/24 emissions
0.093%



Scope 2 emissions
Equivalent to driving
~46,000 km (28,500 miles)
in an average petrol car

Comparison of Year on Year Scope 2 emissions



11.69 TCO₂E
Amount of Carbon Emissions
released through Scope 2
Activities



Equivalent to the carbon
sequestration of:
• 195 tree seedlings grown
for 10 years.

99.5%
decrease from baseline,
almost at your 2030 target.

Scope 3

Let's take a look into our Scope 3 emissions for July 23-June 24

This Truck is Running On
100% Renewable

HVO

Hydrotreated Vegetable Oil

Biofuel



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Key Data

Scope 3 emissions (2023/24):

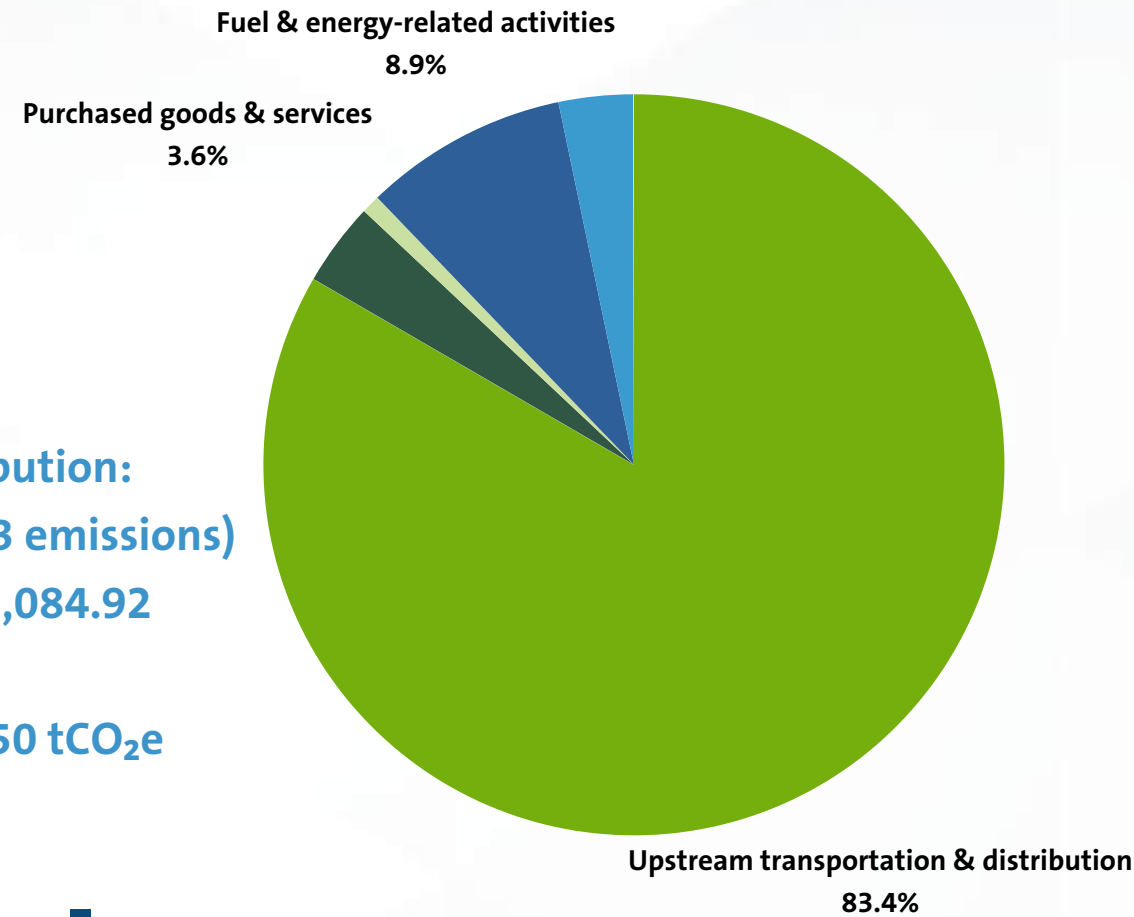
12,177.32 tCO₂e

2022/23 Comparison:

17,748 tCO₂e

Top Sources:

- Upstream transportation & distribution: 10,151.37 tCO₂e (81.6% of Scope 3 emissions)
- Fuel & energy-related activities: 1,084.92 tCO₂e
- Purchased goods & services: 443.50 tCO₂e
- Capital goods: 394.73 tCO₂e



Reduction Plan

- ✓ Adopt Hydrotreated Vegetable Oil (HVO).
- ✓ Ongoing enhancements in route and logistics efficiency as part of the integrated system rollout.

Scope 3 Emissions

Scope 3 emissions saw a significant reduction, dropping from 17,748 tCO₂e in 2022/23 to 12,177.32 tCO₂e in 2023/24, primarily due to presumed logistics optimisations, reduced supplier transport emissions, and sustainable procurement initiatives.

Further improvements in employee commuting data collection, leased asset reporting, and business travel tracking will be essential for maintaining reductions and preventing emission rebounds.

Scope 3 - Snapshots



Scope 3 % of overall 23/24 emissions
73.2%



Scope 3 Emissions
Equivalent to transporting
12.17 million tonnes over
100 km.

Comparison of Year on Year Scope 3 emissions



12,177.32 TCO₂E
Amount of Carbon Emissions
released through Scope 3
Activities



Equivalent to the carbon
sequestration of:
• 553.5 million trees
absorbing CO₂ for a year.

-31.39%

decrease from 22/23 scope 3
carbon emissions



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How We Will Get There?

OUR STRATEGIES TO ACHIEVE YOUR CARBON TARGETS

Carbon Reduction Roadmap (2024-2028)

A breakdown of **short term**, **mid term** & **long term** tasks to achieve carbon targets

Recommendations	2025	2026	2027	2028
Switch to 100% Renewable Electricity Rollout of		✓		
HVO in Fleet Operations		✓		
Implement Employee Commuting Survey			✓	
Optimise Logistics & Route Efficiency Engage			✓	
Suppliers on Low-Carbon Procurement				✓
Strengthen Supplier Sustainability Benchmarking				✓

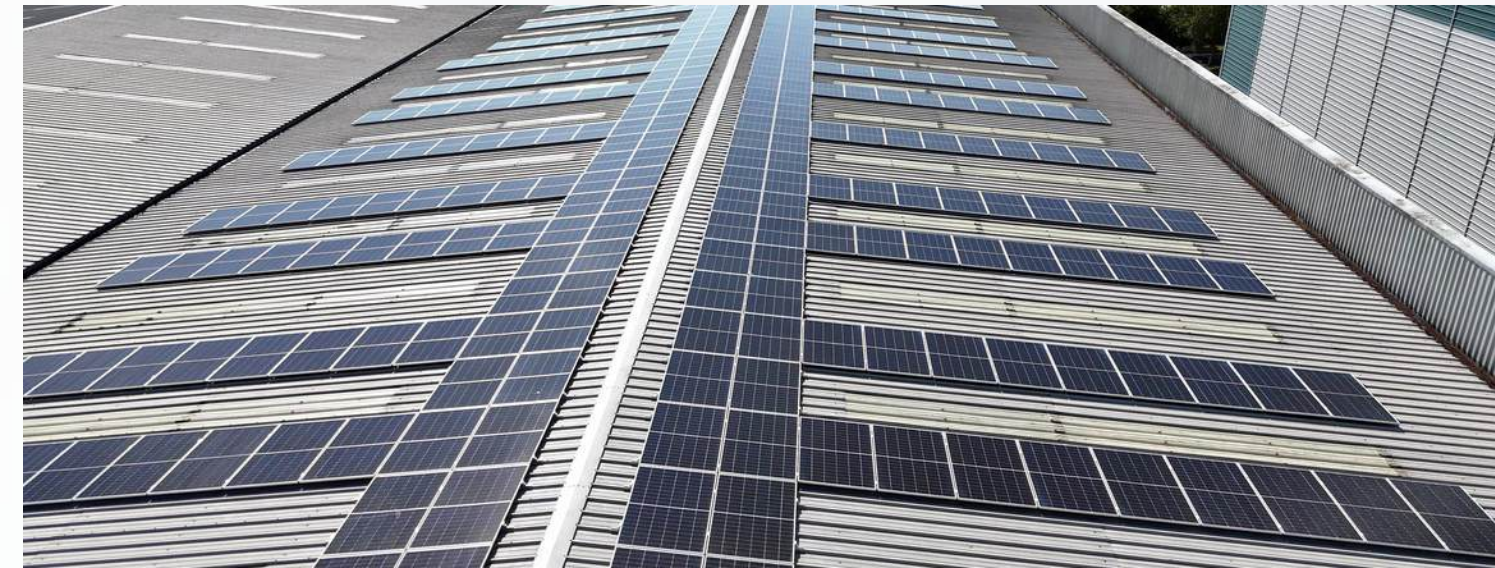
Reduction Strategies & Recommendations

How to use this data and meet your carbon targets



SWITCHING FLEET TO HVO (HYDROTREATED VEGETABLE OIL)

- HVO can reduce diesel emissions by - 90% → Potential cut of ~3,900 tCO₂e from Scope 1.
- No need for engine modifications – drop-in replacement for fossil diesel.
- Short-Term Feasibility: High – Can be implemented immediately with the right fuel contracts.



FULL TRANSITION TO RENEWABLE ELECTRICITY

- Eliminating the remaining 55,211 kWh of non renewable electricity would achieve full decarbonisation of Scope 2.
- Potential Reduction: Final cut of ~11.69 tCO₂e to reach zero Scope 2 emissions.
- Short-Term Feasibility: High – Simple switch to renewable energy tariffs or Energy Attribute Certificates (EACs).

Reduction Strategies & Recommendations

How to use this data and meet your carbon targets



SUSTAINABLE SUPPLIER ENGAGEMENT & LOW-CARBON PROCUREMENT

- Scope 3 emissions in purchased goods & services (443.50 tCO₂e) can be cut through:
 - Supplier audits to prioritise low-emission vendors - this can be part of your CSRD 24/25 plan.
 - Eco-friendly packaging & materials adoption.
 - Potential Reduction: 10-30% of purchased goods emissions (~40-130 tCO₂e).



LOW-CARBON LOGISTICS & TRANSPORT OPTIMISATIONS

- Further reducing upstream transportation emissions (10,151.37 tCO₂e) through:
 - Adopt alternative fuel sources, such as biofuels, electric vehicles, liquefied natural gas, or hydrogen powered options.
 - Optimising route efficiency & load management.
 - Potential Reduction: 5-15% of transport emissions (~508 - 1,523 tCO₂e).

Reduction Strategies & Recommendations

How to use this data and meet your carbon targets



BUSINESS TRAVEL & EMPLOYEE COMMUTING ADJUSTMENTS

- Encouraging virtual meetings & sustainable travel policies → Cut business travel emissions (99.24 tCO₂e) further.
- Launching an employee commuting survey to track and manage commuting emissions.
- Potential Reduction: 20-40% reduction in business travel (~20-40 tCO₂e).

Resource Page

The calculation process relies on activity data such as fuel consumption and electricity usage to generate accurate emissions estimates. To enhance precision, company-specific emission factors should be applied; however, if these are unavailable, default emission factors will be sourced from recognized authorities, including DEFRA (UK Government), IPCC, EEA, U.S. EPA, IGES, and SEAI to ensure consistency and compliance with international standards.

- UK Government, Department for Environment Food & Rural Affairs - DEFRA
- Intergovernmental Panel on Climate Change - IPCC
- European Energy Agency - EEA
- U.S. Environmental Protection Agency - U.S. EPA
- Institute for Global Environmental Strategies - IGES
- Sustainable Energy Authority of Ireland - SEAI



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Thank You!