



A fresh approach to laundry

GREENHOUSE GAS EMISSIONS REPORT 2024-25



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Acknowledgements

This report was prepared by Green Analytic Solutions, an independent environmental consulting firm, in collaboration with the internal compliance team at Green Group. We extend our appreciation to all contributors and stakeholders who provided data, insights, and validation throughout the reporting process.

Report prepared on behalf of The Green Group by
Green Analytic Solutions (UK)

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Introduction





Introduction

This carbon emissions report has been prepared for The Green Group and covers the reporting period from 01 August 2024 to 31 July 2025. The Green Group are the largest independent laundry operator in Scotland, offering a full commercial laundry service and quality textile rental.

The report accounts for the company's greenhouse gas (GHG) emissions across **Scope 1**, **Scope 2**, and **Scope 3** in line with the **GHG Protocol Corporate Standard** and **ISO 14064-1**

The organisational boundary has been defined using the operational control approach, meaning all operations under The Green Group's direct control are included in this inventory. The reporting year, 2024, is positioned as the baseline year for ongoing monitoring and future reduction initiatives.

Scope 1 emissions include fuel use from company-owned vehicles and operation of the on site boiler, gas irons and gas dryers.

No air-conditioning units are in use at the site, and fugitive emissions from CO₂ extinguishers have not been included in this year's reporting boundary.

Scope 2 emissions include purchased electricity used in our operations. Location-based emission factors have been applied to calculate electricity-related emissions.

For **Scope 3** emissions, the following categories have been considered:

- Purchased goods and services – including materials and supplies used in operations
- Waste handling – treatment and disposal of generated waste
- Employee commuting – based on average daily travel assumptions

Other categories, such as upstream and downstream transport, business travel, and use or disposal of sold products, are currently excluded due to data limitations. A more detailed Scope 3 assessment will be developed in future reporting years as data availability improves.





Methodology, Data Quality & Uncertainties

Emission calculations are based on the GHG Protocol Corporate Standard and ISO 14064-1 guidance.

Data has been internally reviewed, but uncertainties remain due to:

- Estimation of average employee commuting distances and modes of transport
- Limited visibility over waste treatment processes after disposal
- Incomplete information on upstream transport distances and modes

These uncertainties will be progressively reduced as more accurate data becomes available through supplier engagement and improved internal tracking.

Baseline & Next Steps

This report establishes The Green Group's 2024 operational carbon footprint baseline. It provides a foundation for:

- Continuous monitoring of GHG emissions
- Development of reduction initiatives, including renewable energy use and fleet improvements
- Expansion of Scope 3 coverage in future years
- Alignment with external reporting requirements and sustainability frameworks



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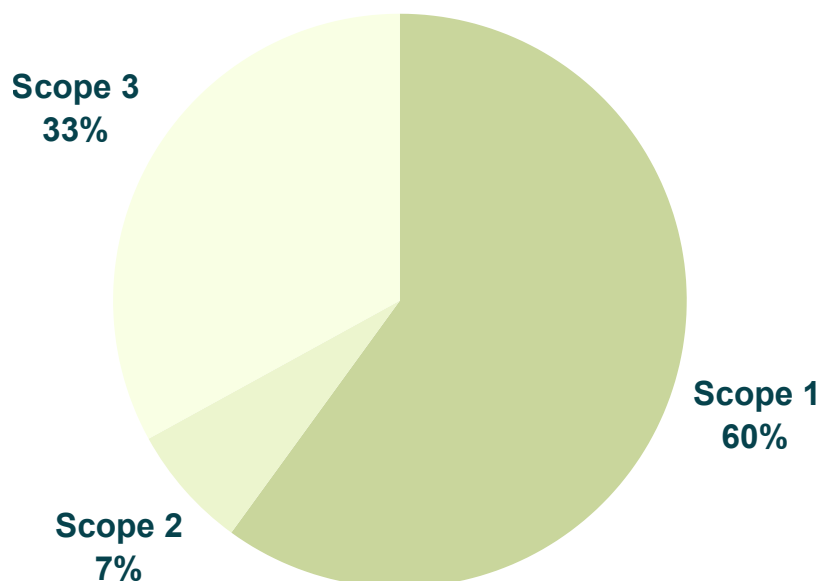
GHG Emissions from our operation 2024/25



Table 1: Emissions inventory summary 2024 in tCO₂e

Category (ISO 14064 1:2018) tCO ₂ e	Scopes (GHG Protocol)	CO ₂ e	CO ₂	CH ₄	N ₂ O
Category 1: Direct emissions	Scope 1	1267	1262	2	3
Category 1: Direct emissions	Scope 2	142	141	1	1
Category 3: Indirect emissions from transportation	Scope 3	156	154	0	1
Category 4: Indirect emissions from products used by organisation	Scope 3	551	Na	Na	Na

Figure 1: Scope 1, 2 and 3 emissions distributions



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GHG Inventory





This section provides a breakdown of The Green Group's 2024/25 GHG emissions across Scope 1, Scope 2, and Scope 3, in accordance with standard carbon accounting practices.

Scopes (GHG Protocol)	2024 (tCO ₂ e)
Scope 1	1267
Scope 2	142.25
Scope 3	706.47

Table 2: Total emissions across Scope 1,2 and 3

Scope 1: Direct Emissions

Scope 1 emissions are from sources directly owned or controlled by Green Group. For the 2024/25 reporting year, this includes fuel consumption in the company's vehicle fleet and natural gas used in the on-site boiler.

- Delivery Vans (Diesel use from vehicles): 185tCO₂e
- Natural gas use(On-site Boiler, Gas dryers, Gas irons): 1082tCO₂e

Total Scope 1 Emissions: 1267 tCO₂e

Scope 2: Indirect Energy Emissions (location based)

Scope 2 emissions arise from purchased electricity consumed at The Green Group's operations. These are reported using the location-based approach. Total electricity consumed during 2024 reporting Period is 687054 KWh

- Purchased Electricity: 142 tCO₂e

Total Scope 2 Emissions: 142 tCO₂e



Scope 3: Other Indirect Emissions

Scope 3 emissions cover the broader value chain and represent the largest proportion of Green Group's footprint in 2024.

Total Scope 3 Emissions (reported categories): 706.47 tCO₂e

Table 3. Scope 3 emissions inventory

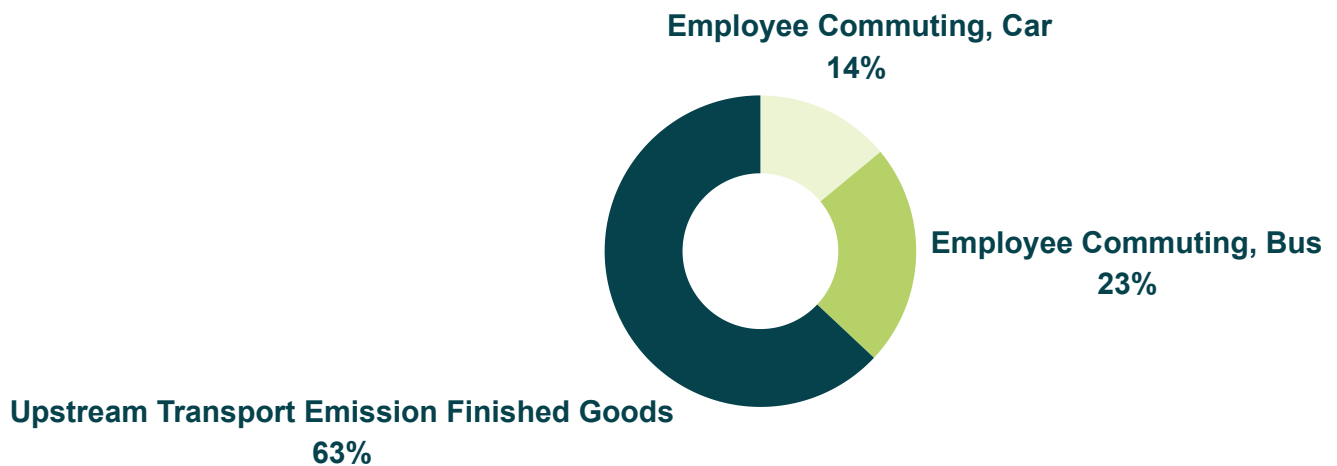
Scope 3 category	Emission Source Activity	Emissions (tCO ₂ e)
1	Purchased Goods and Services	289.73
2	Capital Goods	Na
3	Fuel-Energy-Related Activities (excl Scope 1 & 2)	236.55
4	Upstream Transportation and Distribution	98.1
5	Waste Generated in Operations	24.36
6	Business Travel	Na
7	Employee Commuting	57.66
8	Upstream Leased Assets	Na
9	Downstream Transportation and Distribution	Na
10	Processing of Sold Products	Na
11	Use of Sold Products	Na
12	End-of-Life Treatment of Sold Products	Na
13	Downstream Leased Assets	Na
14	Franchises	NA
15	Investments	Na



Table 4: Category 3 emissions summary by activity in tCO₂e

Category 3 Indirect emissions from transportation	2024/25 Emissions (tCO ₂ e)
Upstream Transport Emissions Finished goods	98
Waste Transportation to treatment site	0
Employee Commuting, bus	37
Employee Commuting, Car	21

Figure 2: Category 3 emissions summary by activity in tCO₂e



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Base Year and Target Framework



Base Year and Target Framework

The 2024/25 reporting year (**August 1, 2024 – July 31, 2025**) will serve as the base year for The Green Group's greenhouse gas (GHG) reduction targets. This baseline inventory covers Scope 1 and Scope 2 emissions in full and provides the foundation for tracking progress towards our 2045 net zero commitment.

Scope 1 and 2: We will measure and report these emissions annually to evaluate our progress against absolute reduction targets.

Scope 3: While uncertainties and data gaps exist in this year's Scope 3 accounting, we are committed to improving data quality, collection processes, and coverage in subsequent years. Over time, this will allow for a more accurate assessment of our value chain impacts and integration of Scope 3 into our long-term reduction strategy.

Periodic evaluation: The Board of Directors will review progress against targets annually, ensuring accountability and that reduction actions remain aligned with both business growth and global climate goals.

This base year will remain valid for our targets unless there are significant structural changes to our organizational boundary (e.g., major acquisitions, divestments, or changes in operations). In such cases, we will re-evaluate our GHG inventory and reset the base year to ensure accuracy and consistency with international best practices.



Decarbonisation Roadmap Aligned with UK Net Zero Goals



The UK government's Net Zero Strategy requires all businesses to progressively reduce their GHG emissions to reach net zero by 2050. The Green Group can contribute to this goal by following a phased decarbonization pathway that addresses direct operations (Scope 1 and 2) and the wider value chain (Scope 3).

Near-Term Actions (2025-2030)

Operations (Scope 1 & 2)

- Transition delivery fleet to electric vans or low-emission alternatives by phasing out diesel vehicles.
- Improve energy efficiency in operations (boiler upgrades, building insulation, LED retrofits).
- Source 100% renewable electricity through green tariffs or Power Purchase Agreements (PPAs).

Value Chain (Scope 3)

- Work with suppliers to encourage low-carbon materials and services.
- Introduce circular economy measures to reduce waste generation, e.g., enhanced recycling and reuse programs.
- Develop employee commuting incentives (carpooling, public transport subsidies, remote work).

Targets

- Reduce Scope 1 and 2 emissions by at least 50% by 2030.
- Reduce reported Scope 3 emissions by 25% by 2030.

Medium-Term Actions (2030-2040)

Operations (Scope 1 & 2)

- Fully electrify the vehicle fleet.
- Transition to renewable heating systems (heat pumps, biomass, or hydrogen-ready boilers).
- Integrate on-site renewable generation (solar PV, battery storage).

Value Chain (Scope 3)

- Establish a supplier engagement program with science-based targets.
- Shift procurement towards circular and low-carbon products.
- Implement advanced waste-to-resource solutions to significantly cut operational waste emissions.

Targets

- Achieve near-zero Scope 1 and 2 emissions by 2045.
- Halve Scope 3 emissions compared to 2024 baseline by 2045.



Long-Term Actions (2040-2050)

- Achieve full carbon neutrality across Scopes 1, 2, and 3.
- Offset residual emissions through certified carbon removal projects (e.g., afforestation, Direct Air Capture).
- Embed sustainability into all business operations and decision-making.

Target

- Net Zero by 2045, in line with the UK's legally binding commitment.

Reduction pathway

Baseline (2024)

Scope 1: 1,267 tCO₂e

Scope 2: 142 tCO₂e

Total = 1,409 tCO₂e

2030 Target (50% absolute scope 1 and 2 reduction)

Scope 1: ~633 tCO₂e (fleet electrification, gas-to-heat-pump transition)

Scope 2: ~0 tCO₂e (100% renewable electricity)

Total = ~633 tCO₂e





2045 Target (Net Zero)

Scope 1: ~0 tCO₂e (full electrification & low-carbon fuels, residuals neutralised via removals if needed)

Scope 2: ~0 tCO₂e

Total = ~0 tCO₂e

Year	Scope 1 (tCO ₂ e)	Scope 2 (tCO ₂ e, location-based until 2029, renewables 2030)	Total Scope 1 & 2 (tCO ₂ e)	Notes
2024	1,267	142	1,409	Baseline
2025	1,154	118	1,272	Start pilot EV vans, energy efficiency
2026	1,042	95	1,137	Add more EV vans, partial boiler upgrade
2027	930	71	1,001	Green electricity contracts (partial)
2028	817	47	864	Heat pump trial, >50% fleet EV
2029	705	24	729	Renewable PPAs (70-80%)
2030	633	~0	633	100% renewable electricity
2035	400	~0	400	Electrify boiler fully
2045	~0	~0	~0	Net Zero achieved



References

- <https://ec.europa.eu/eurostat/statistics%20>
- <https://www.gov.uk/government/statistics/transport-statistics-great-britain-2024/transport-statistics-great-britain-2023-freight>
- <https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2024>
- <https://ghgprotocol.org/corporate-standard>
- <https://ghgprotocol.org/corporate-value-chain-scope-3-standard-online-course-0>





Annex 1

ENERGY CONSUMPTION DATA FOR THE REPORTING YEAR 2024/25

Scope	Source	Activity	Qty
Stationary combustion	Boiler, Gas Irons, Gas dryers	Gas usage (m3)	529149
Electricity	1 site	Electricity usage (KWH)	687054
Mobile combustion	Vehicles	Fuel (Litre) Diesel	73495



Annex 2

ANNUAL GHG REDUCTION TARGET REVIEW POLICY

The Green Group is committed to achieving its **Scope 1, Scope 2, and Scope 3 greenhouse gas (GHG) reduction targets** in line with our **2045 net zero** ambition. To ensure transparency, accountability, and continuous improvement, the company will conduct an annual review of progress against these targets. This review will assess emissions data, reduction measures implemented, and alignment with interim milestones. The 2024 reporting year (August 1, 2024 – July 31, 2025) has been established as the base year for our reduction pathway, and progress will be measured consistently against this baseline.

A dedicated **Sustainability Committee**, chaired by the **Operations Director**, has been formed to oversee this process. The committee will present its findings to the Board of Directors each year, recommending adjustments where necessary to ensure the targets remain ambitious, credible, and achievable. Where data gaps or uncertainties exist, particularly in Scope 3, the committee will implement strategies to improve measurement and expand coverage. This structured governance process ensures that The Green Group maintains strong oversight of its climate commitments while driving meaningful reductions across its operations and value chain.

Thank You

For more information about The Green Group,
visit www.green-group.uk



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