

LANCER SCOTT HOLDINGS LTD

2023-24 Carbon Footprint Report

Neutral Carbon Zone Analysis and Report on
Organisational and Operational Emissions

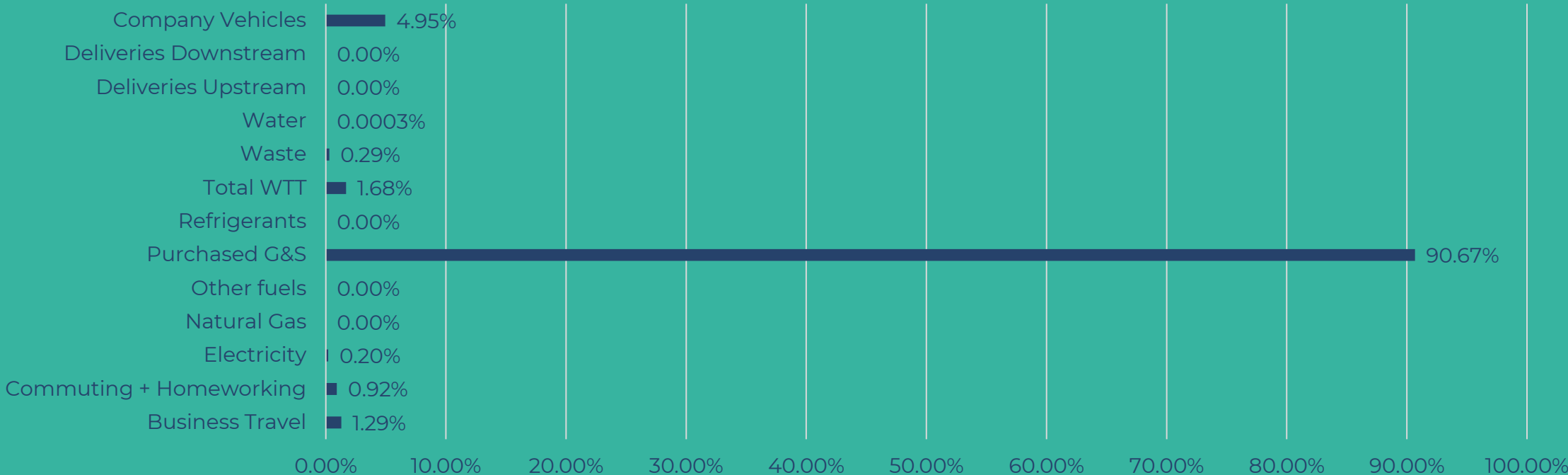


Executive Summary

This report details Lancer Scott Holdings Ltd carbon footprint for the 2023-24 financial year.

The analysis shows that Lancer Scott Holdings Ltd's carbon emissions for the period amounted to **18,386.79 tonnes of CO₂e**. The largest single source of emissions was Purchased Goods and Services (90.67%) followed by Company Vehicles (4.96%), Energy and Fuel related Activities (Well-to-Tank and Transmission & Distribution) (1.68%) and Business Travel (1.29%), as illustrated below.

Percentage of Carbon Emissions by Activities, 2023-24



Intensity Metrics

In addition to reviewing the absolute footprint, this report also benchmarks emissions “per £ million turnover” and “per full time employee (FTE)”. As opposed to absolute metrics, these intensity metrics provide relative tCO₂e figures for organisational carbon footprints. This allows for comparison between companies, but can also provide a useful alternative to absolute figures. For example, if a company is growing rapidly the absolute tCO₂e figure may increase, however the intensity metric will be useful in highlighting relative improvements in carbon intensity.

Emissions	Annual figure
Total Footprint (KgCO ₂ e)	18,386,794.40
FTE	340.00
Revenue (GBP)	103,538,573.00
Total Footprint/ FTE	54,078.81
Total Footprint/ Million Revenue	177,584.00



Introduction

Lancer Scott Holdings Ltd retained Neutral Carbon Zone to measure their organisational carbon footprint.

Lancer Scott, founded in 1996, specializes in maintenance, repairs, projects, and construction services, serving public and private clients. The business is owned by its original founders and guided by a diverse board of directors, offering tailored services to clients.

This section outlines the processes and methodology used in this project. It explains the calculation principles and sets the operational boundaries of the footprint. The following section presents an in-depth analysis of all the emissions sources. This report includes Scope 1 Direct Emissions, Scope 2 Energy Indirect Emissions and Scope 3 Other Indirect Emissions.

The reporting period is 1st October 2023 to 30th September 2024.



Standard & Scope

FOOTPRINTING PROCESS

A carbon footprint assessment measures the carbon emissions generated by your organisation's activities. The carbon footprint report is the critical first stage of a comprehensive and commercially focused carbon management plan. To measure your carbon emissions, this report follows the methodology of the internationally recognised standard ISO-14064-2006.

ISO 14064 requires the measurement of carbon emissions arising from Scope 1 and 2. While not mandatory, inclusion of Scope 3 emissions is advised as it can lead to a greater understanding of the company's wider impacts.

In this report, the term 'carbon emissions' not only includes carbon dioxide (CO₂), but all other greenhouse gases (GHG) covered under the Kyoto Protocol: methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons (HFC), perfluorocarbons (PFC) and sulphur hexafluoride (SF₆).



SCOPE 1

Direct emissions - Emissions from greenhouse gas sources owned or controlled by the organisation.



SCOPE 2

Energy indirect emissions - Emissions from the generation of imported electricity, heat or steam consumed by the organisation.



SCOPE 3

Other indirect emissions - Emissions which are consequences of an organisation's activities but arise from sources that are owned or controlled by other organisations.



SCOPE OF THE FOOTPRINT

ORGANISATIONAL BOUNDARY

In accordance with ISO 14064, the approach used in this footprint is based on the principle of operational control. Under the control approach we accounted for 100% of the GHG emissions from operations over which Lancer Scott Holdings Ltd has control. Control can be defined in either financial or operational terms.

- The financial control approach – Lancer Scott Holdings Ltd has financial control over an operation if it has the ability to direct the financial and working policies of the organisation with a view to gaining economic benefits from its activities.
- The operational control approach – Lancer Scott Holdings Ltd has operational control over an organisation if it or one of its subsidiaries has the full authority to introduce and implement its working policies at the business.

Operational control approach has been used for Lancer Scott Holdings Ltd's footprint calculation.

OPERATIONAL ACTIVITIES

Activities Included in the Scope for the Footprint

In accordance with ISO 14064 the organisational boundaries for this carbon footprint were company vehicles, natural gas, fuels, refrigerants, electricity, business travel, commuting, homeworking, water, waste, purchased goods and services and well-to-tank.

Activities Excluded from the Scope of the Footprint

No activity deemed to be a significant driver of carbon emissions has been excluded from the scope of this footprint.



DATA ACCURACY

The data provided by Lancer Scott Holdings Ltd covers the period from 1st October 2023 to 30th September 2024. The majority of data was primary, but some data was secondary and extrapolated using benchmark approaches. Neutral Carbon Zone collated the supplied data and summarised it in a single summary spreadsheet.



Electricity - A management based decision was made for Cardiff office using consumption median (m² per employee) from Non-domestic National Energy Efficiency Data-Framework (ND-NEED) 2022. Usage data was supplied for QCH.



Commuting and Homeworking – data was derived from a recent staff survey which received 132 responses (39%). Benchmarks were created from the collected data and extrapolated out to predict where there was a shortfall in primary data.



Water – Consumption was calculated from a management based decision using data supplied by South Staffs Water UK for Cardiff office. Usage data was supplied for QCH.



Company Vehicles – data was supplied as fuel in litres.



Purchased Goods and Services – Spend data was supplied and applied to EPA emissions categories.



Business Travel – Data was supplied as Miles travelled for Vehicles. Train, taxi, bus, flights and hotel data supplied as spend, no WTT was calculated.



Waste – Office waste was calculated for Cardiff office using a management based decision, split between recycling at 44.6% and general waste at 55.4%. Calculations source from UK waste statistics from www.gov.uk. Weight data was supplied for QCH.



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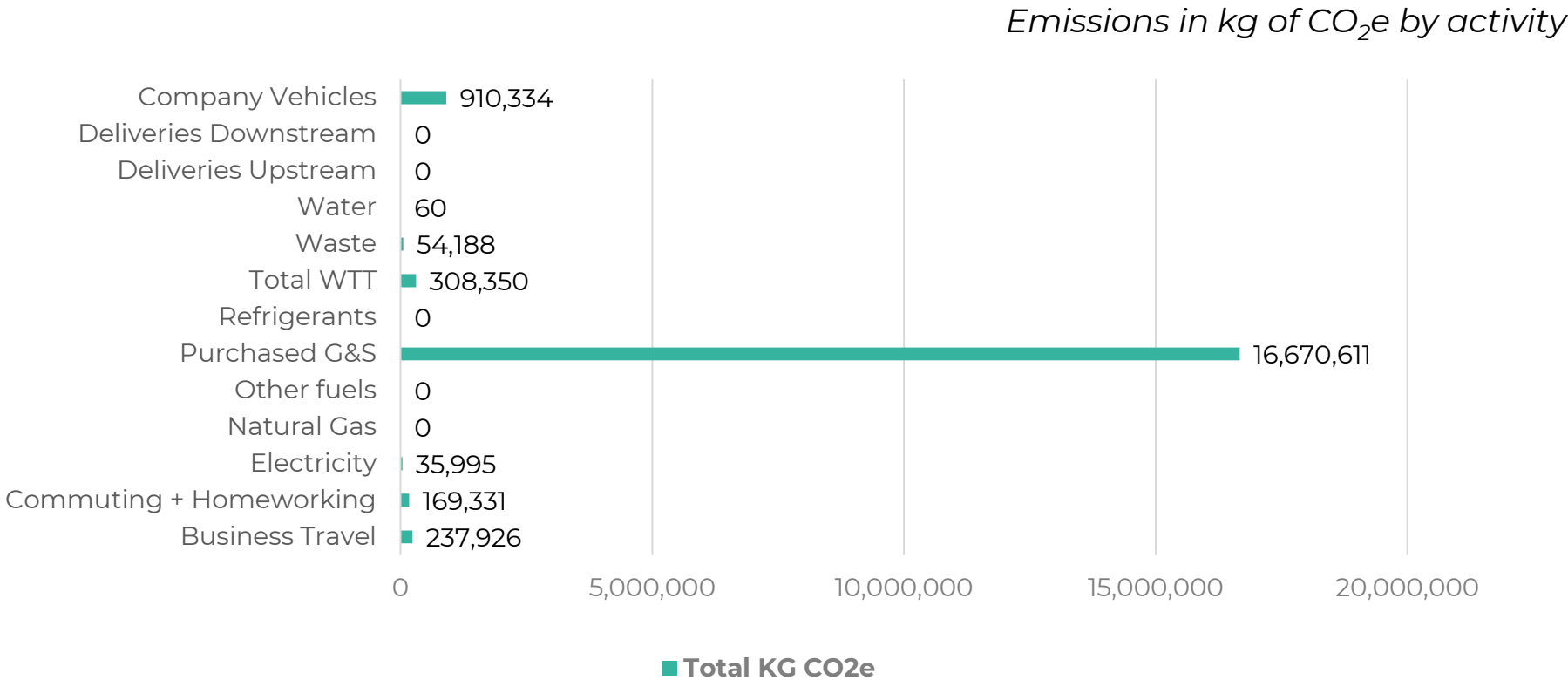


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Results

EMISSIONS BY ACTIVITY

The results of the project show that Lancer Scott Holdings Ltd's carbon footprint for the 2023-24 financial year was **18,386.79 tonnes of CO₂e**. A breakdown of emissions by activity is shown in the chart below:



Purchased Goods in Scope 3 accounted for the largest proportion of emissions at 16,670.61 tCO₂e (90.67%), followed by Company Vehicles 910.33 tCO₂e (4.95%) and Energy and Fuel related Activities (Well-to-Tank and Transmission & Distribution 308.35 tCO₂e (1.68%) and Business Travel 237.93 tCO₂e (1.29%),





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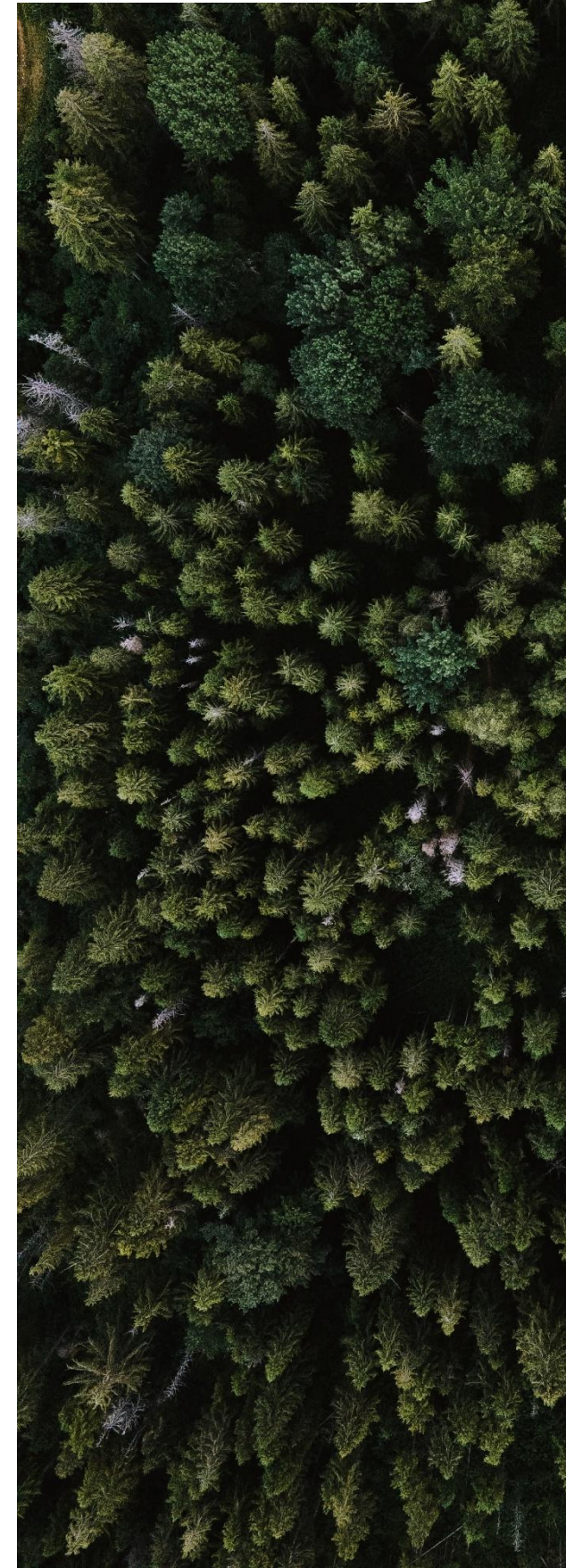
SUMMARY OF RESULTS



CARBON FOOTPRINT BY ACTIVITY

Lancer Scott Holdings Ltd's organisational carbon footprint by type of emission and activity.

Scope	Category	Total KgCO ₂ e	% of total emissions scope wise	% of total emissions
Scope-1	Natural Gas	-	0.00%	0.00%
	Other fuels	-	0.00%	0.00%
	Refrigerants	-	0.00%	0.00%
	Company Vehicles	910,334	100%	4.95%
	Total Scope-1	910,334	100%	4.95%
Scope-2	Electricity	35,995	100.00%	0.20%
	Total Scope-2	35,995	100.00%	0.20%
Scope - 3	Business Travel	237,926	1.36%	1.29%
	Commuting + Homeworking	169,331	0.97%	0.92%
	Waste	54,188	0.31%	0.29%
	Water	60	0.00%	0.000%
	Deliveries Upstream	-	0.00%	0.00%
	Deliveries Downstream	-	0.00%	0.00%
	Purchased G&S	16,670,611	95.59%	90.67%
	WTT-Electricity	11,093	0.06%	0.06%
	WTT- Company Cars	222,219	1.27%	1.21%
	WTT-Business Travel	34,531	0.20%	0.19%
	WTT-Commuting + Homeworking	40,508	0.23%	0.22%
Total Scope-3	17,440,465	100.00%	94.85%	
TOTAL KgCO₂e		18,386,794		





SCOPE 1 - DIRECT EMISSIONS

Direct Emissions arise from the generation of greenhouse gases in company-owned or leased assets. In most businesses these arise from consumption of gas in buildings (heating & hot water) and fuels in company-owned vehicles. They also arise as a result of other heating fuels, chemical reactions and gas leakage (fugitive emissions) during manufacturing, production and from air conditioning systems.

Direct Emissions amounted to **910.33 tonnes of CO₂e** or 4.95% of Lancer Scott Holdings Ltd's total footprint and stems from the usage of Company Vehicles.

SCOPE 2 - INDIRECT ENERGY EMISSIONS

Indirect Energy Emissions arise from the generation of imported electricity, heat or steam consumed by the company. For Lancer Scott Holdings Ltd, indirect energy emissions stemmed from the consumption of electricity for lighting, cooling, IT and other electrical equipment. Lancer Scott Holdings Ltd's Scope 2 emissions amounted to **36.00 tonnes of CO₂e** or 0.20% of the total footprint.

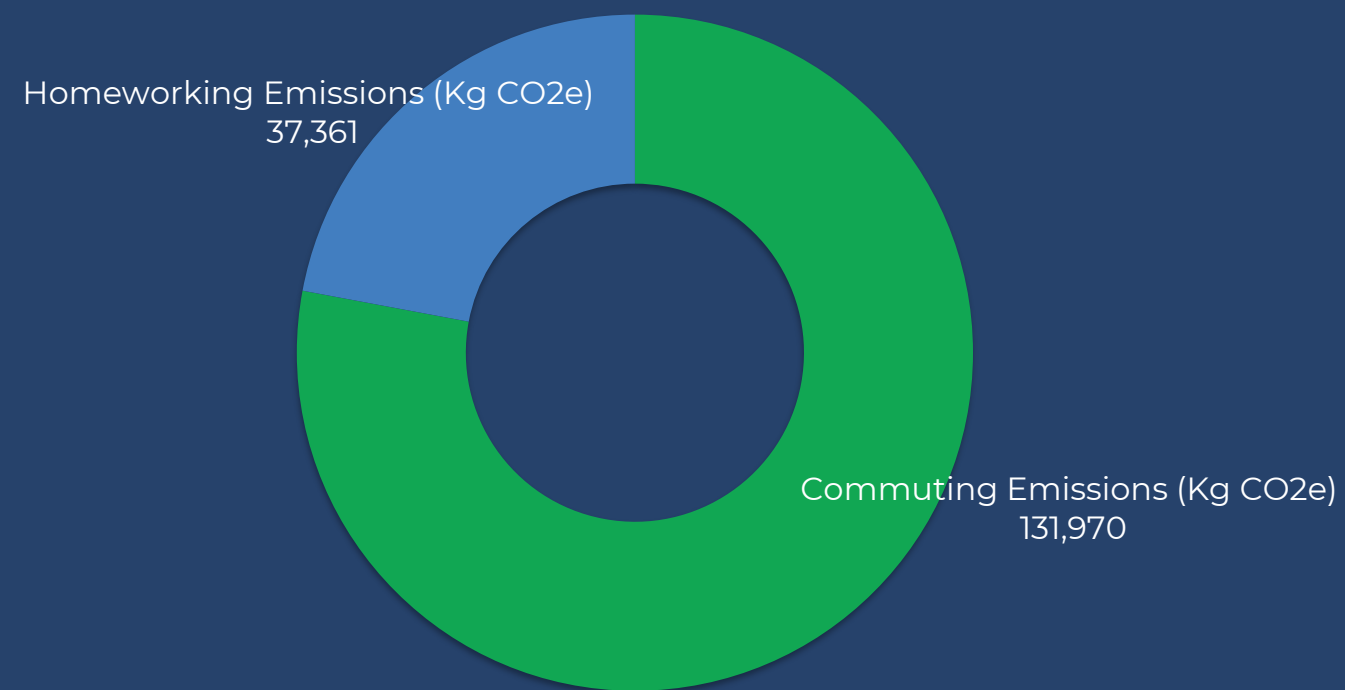


SCOPE 3 – INDIRECT OTHER EMISSIONS

The sources of Other Indirect Emissions comprised 94.85% of total emissions or 17,440.47 tonnes of carbon dioxide equivalent. This arises mainly from Purchased Goods and Services and Commuting and Homeworking.

EMPLOYEE COMMUTING AND HOMEWORKING

The category of employee commuting covers both the emissions from commuting made by Lancer Scott Holdings Ltd staff to work and emissions associated with homeworking. This category totalled 169.33 tonnes of CO₂e or 0.92% of total emission. The graph below shows the split in emissions between commuting and homeworking.



Employee Commuting vs Homeworking Emissions Split



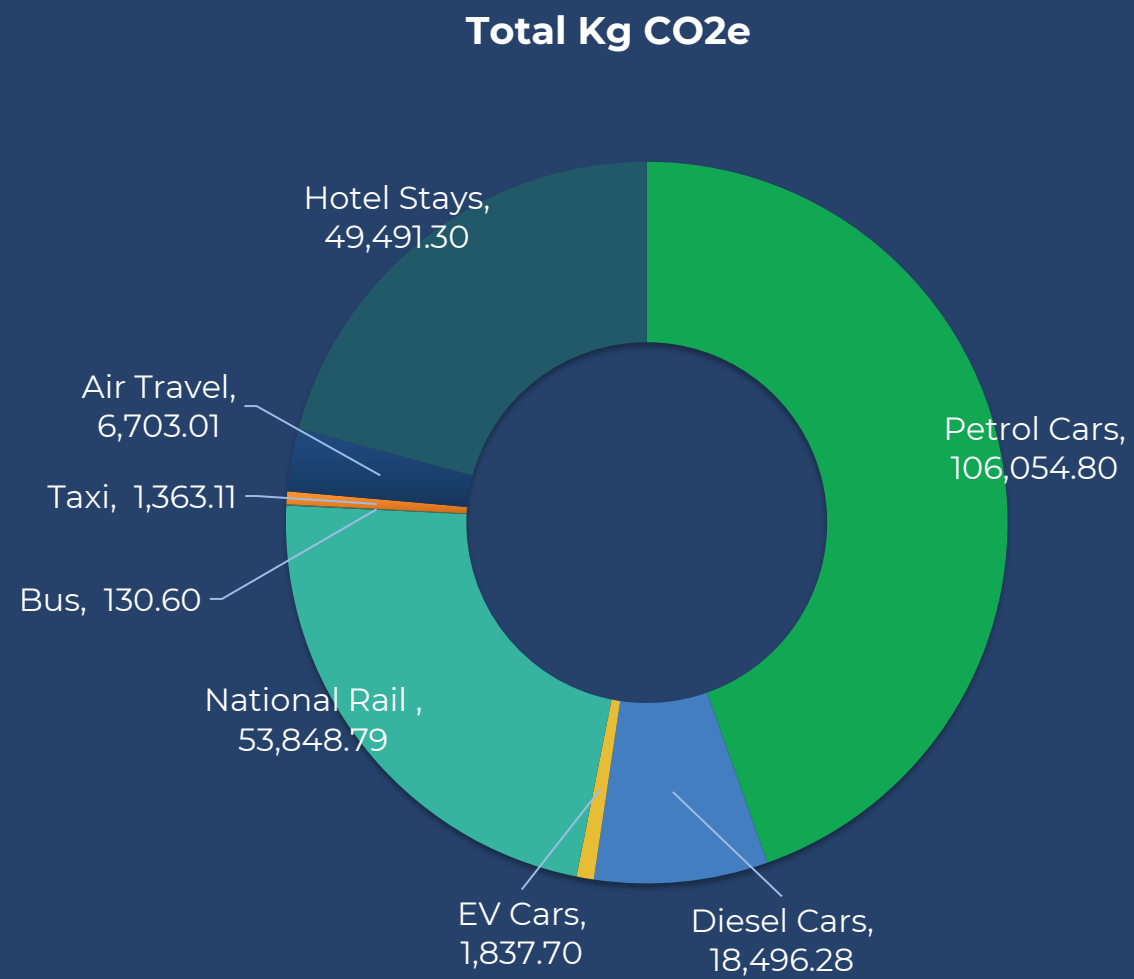
Commuting data emissions based on commuting mode and distance travelled.

Mode of Transport	Distance	Total KgCO ₂ e
Petrol Cars	142,201	45,232
Diesel Cars	175,958	55,337
EV Cars	31,414	2,608
Hybrid Cars	2,126	373
National Rail	309,097	17,641
Underground	10,628	476
Bus	60,833	10,001
Taxi	903	302
Walk/Cycle	25,434	-
Total	758,593	131,969.63

SCOPE 3 – INDIRECT OTHER EMISSIONS Cont..

BUSINESS TRAVEL

Business journeys made by Lancer Scott Holdings Ltd staff resulted in 237.93 tonnes of CO₂e (1.29% of total emissions). The majority of these emissions stem from petrol cars.



Business Travel Split

WASTE

In the 2023-24 calendar year, Lancer Scott Holdings Ltd produced 311.58 tonnes of waste resulting in 54.19 tCO₂e, 0.03% of the total footprint. The table below outlines the split in waste type and emissions.

Waste Type	Tonnage	Emissions kgCO ₂ e
Office Mixed Recycling	211.62	4,503.51
Office General Waste to landfill	99.96	49,684.30
TOTAL	311.58	54,187.80

WATER

Water consumption amounted to approximately 157.5m³. Emissions associated with supply and treatment of water therefore resulted in 0.060 tonnes of CO₂e or 0.0003% of the total footprint.



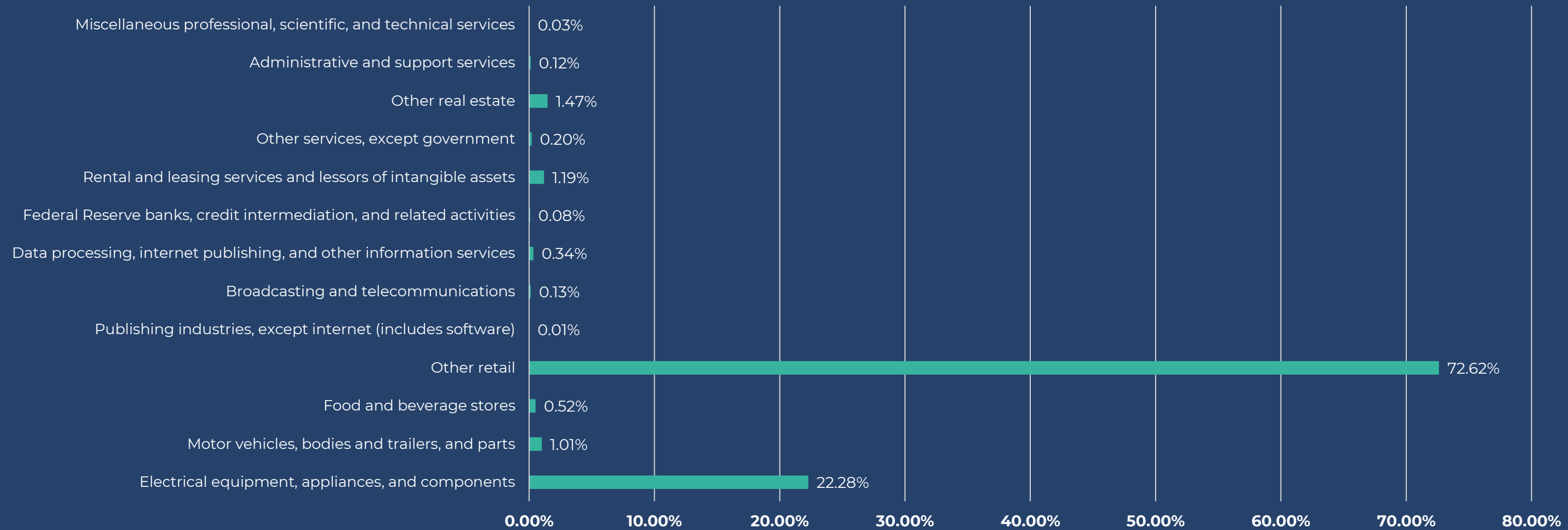
SCOPE 3 – INDIRECT OTHER EMISSIONS Cont..



PURCHASED GOODS & SERVICES

Goods and services purchased by Lancer Scott Holdings Ltd resulted in 16,670.61 tonnes of CO₂e (90.90% of total emissions).

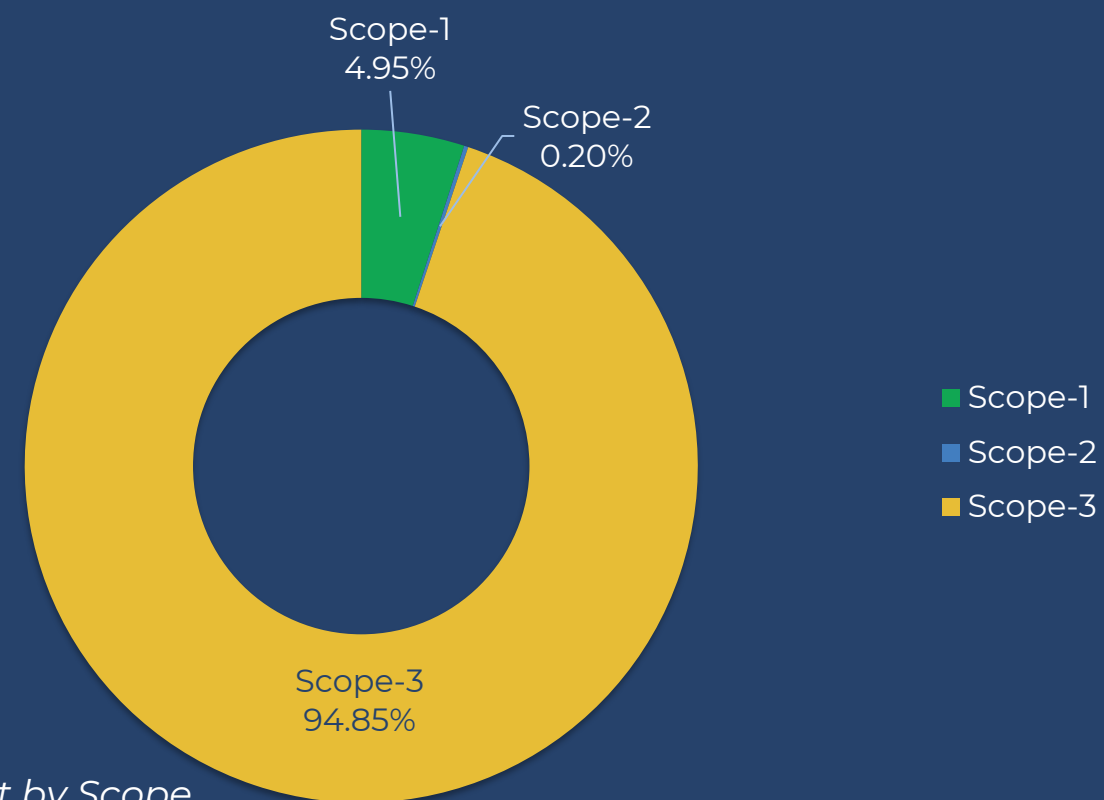
Emissions breakdown by category for P G&S



SCOPE 3 – INDIRECT OTHER EMISSIONS Cont..

WELL-TO-TANK (WTT) AND TRANSMISSION & DISTRIBUTION (T&D)

WTT and T&D emissions are those emissions associated with the upstream processes of extracting, refining, and transporting raw fuel and energy to the vehicles, assets, or other process under scrutiny. Lancer Scott Holdings Ltd's WTT and T&D emissions amounted to 308.35 tCO₂e or 1.68% of the total footprint, and is made up of gas and electricity consumption, as well as fuel consumption relating to business travel, employee commuting, and deliveries. Note that this emissions driver is dependent on other categories, and therefore rises and falls with other scopes. For example, as more fuels like gas must be extracted, processed, and transported to Lancer Scott Holdings Ltd company site, more well-to-tank emissions are released.



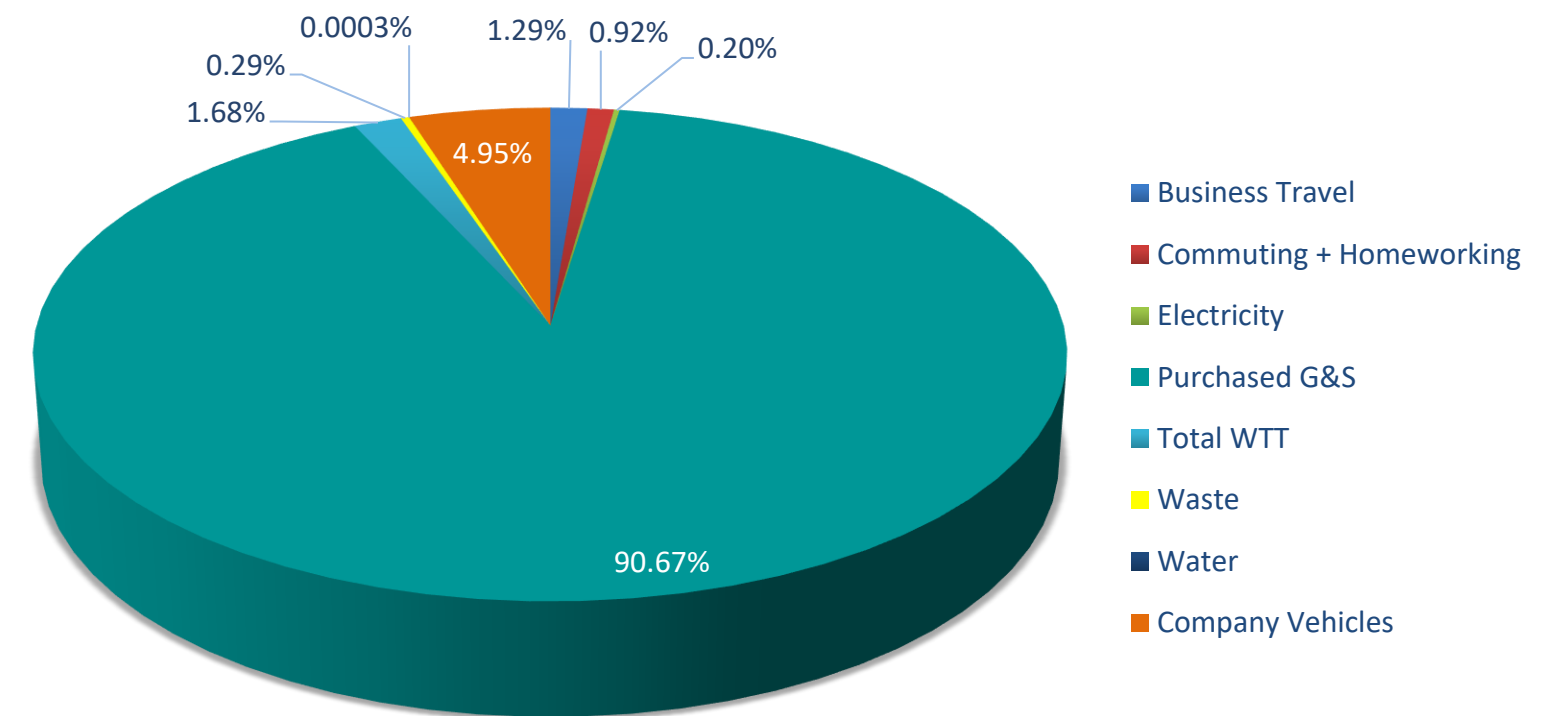
Emissions split by Scope





Conclusions & Recommendations

Neutral Carbon Zone has analysed Lancer Scott Holdings Ltd's footprint and are able to provide the following recommendations to reduce emissions. These recommendations are ordered in terms of priority, starting with the highest emissions activity. If undertaken, these recommendations have potential to significantly reduce Lancer Scott Holdings Ltd's carbon footprint.



Emissions in kgCO₂e by Category



CONCLUSIONS & RECOMMENDATIONS

Ø Purchased Goods & Services was the largest emissions driver. It accounts for approximately 90.67% of total emissions. NCZ recommends that Lancer Scott Holdings Ltd carries out an in-depth supply-chain analysis in order to identify the specific individual impacts of the goods and services being purchased and highlight any potential efficiencies that are available and/or currently appropriate to be implemented. This can be facilitated through NCZ Platinum certification.

Ø Company vehicles was the second largest emissions driver (4.95%). Neutral Carbon Zone therefore recommends Lancer Scott Holdings Ltd consider a transition analysis of their vehicle fleet towards hybrid and/or electric vehicles wherever feasible. Emissions can also be further reduced by avoiding any unnecessary use of fossil fuelled vehicles where less emission intensive options are available and practical, including greater use of public transport, car-share schemes and active transport (walking and cycling) should be considered wherever practical and/or appropriate.

Ø Well to Tank emissions, the third largest emissions driver (1.68%), will subsequently fall with the reduction in other energy and fuel related activities.

Ø Business travel is the fourth highest emitter and accounts for 1.29% of total emissions. Data was supplied as spend data. Establishing a process to track fuel use and/or distances travelled by type is recommended. Additionally, consideration into alternative options regarding modes of transport and route/requirement analysis can be influential in the reduction of emissions in this category.



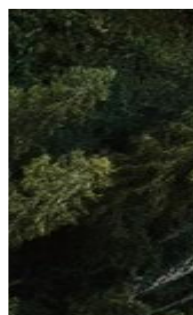
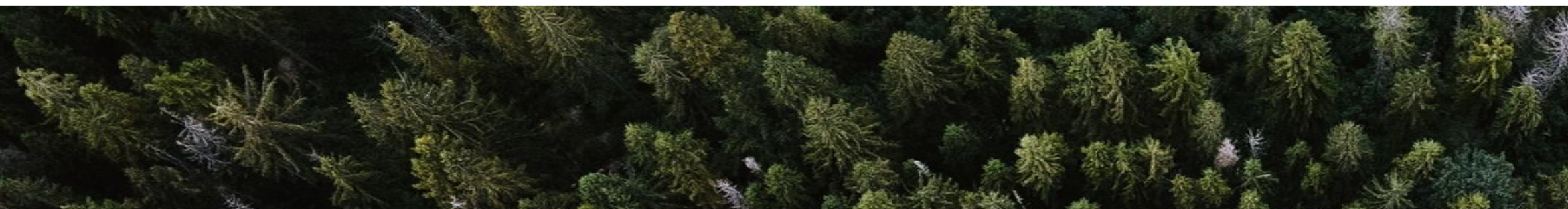
CONCLUSIONS & RECOMMENDATIONS Cont..

Ø Employee commuting and homeworking is the fifth largest emissions driver at 0.92% of emissions. Emissions can be reduced by encouraging greater use of public transport i.e., buses, overground and underground where possible and/or car-share schemes, walking/cycling and other active transport options to reduce the use of more carbon intensive modes of transport such as petrol and diesel personal vehicles.

Ø Waste accounts for 0.29% of total emissions. In order to reduce emissions associated with waste, Lancer Scott Holdings Ltd would need to focus on waste reduction measures where possible. In order to understand how this can be done most effectively, a greater understanding of type of waste and disposal is needed. Lancer Scott Holdings Ltd could also consider a zero waste to landfill policy.

Ø Purchased electricity accounted for 0.20% of total emissions. This can be reduced further by switching to a 100% renewable energy tariff for purchased electricity and investigating the opportunities for the reduction in electricity consumption.

Scope Categories	Best Practice Data/Evidence
Business Travel	Data relating to the actual distances travelled/number of hotel stay nights
Commuting + Homeworking	100% survey response rate
Company Vehicles	Data relating to litres of fuel consumed and evidence of fuel purchases (for example fuel card reports)
Electricity	Consumption provided as kWh and evidence of consumption (for example landlord reports or invoices)
Natural Gas	Consumption provided as kWh and evidence of consumption (for example landlord reports or invoices)
Other fuels	Consumption provided in correct units and evidence of consumption (for example supplier reports or invoices)
Purchased G&S	Emissions data specific for each supplier
Refrigerants	Data relating to and maintenance reports provided as evidence showing the amount of top-up during the reporting period
Waste	Consumption provided in correct units and evidence of the amount of waste generated and disposal routes (for example supplier reports or invoices)
Water	Consumption provided in correct units and evidence of consumption (for example landlord reports or invoices)
Deliveries Downstream/Upstream	Data relating to and evidence of the distance travelled and weight of deliveries (for example supplier reports or invoices)



Comparisons



Emissions	2022-23	2023-24	% Difference
Total Footprint (KgCO2e)	14,898,797.04	18,386,794.40	23.41%
FTE	250	340	36.00%
Revenue (GBP)	83,000,000.00	103,538,573.00	24.75%
Total Footprint/ FTE	59,595.19	54,078.81	-9.26%
Total Footprint/ Million Revenue	179,503.58	177,584.00	-1.07%

Scope	Category	Total KgCO2e 2022-23	Total KgCO2e 2023-24	% Difference
Scope-1	Natural Gas	-	-	-
	Other fuels	-	-	-
	Refrigerants	-	-	-
	Company Cars	1,209,670	910,334	-24.75%
	Total Scope-1	1,209,670	910,334	-24.75%
Scope-2	Electricity	24,065	35,995	49.57%
	Total Scope-2	24,065	35,995	49.57%
Scope - 3	Business Travel	78,394	237,926	203.50%
	Commuting + Homeworking	207,408	169,331	-18.36%
	Waste	131,371	54,188	-58.75%
	Water	527	60	-88.66%
	Deliveries Upstream	-	-	-
	Deliveries Downstream	-	-	-
	Purchased G&S	12,893,090	16,670,611	29.30%
	WTT-Total	354,272	308,350	-12.96%
Total Scope-3	13,665,062	17,440,465	27.63%	
TOTAL KgCO2e		14,898,797	18,386,794	23.41%



FURTHER RECOMMENDATIONS – WEBSITE IMPACT REVIEW

What is the Website Carbon Rating System?

The Website Carbon Rating System was designed to measure and simplify the understanding of the environmental impact of web pages. It rates websites on a scale from A+ to F, making it easy to see how energy-intensive a website is.

How does it work?

We set our benchmark for a good rating (A+ to E) to help us identify any sites that fall below the global average CO2 emissions for desktop web pages. Ratings go from A+ (very efficient) to E (which is still better than global average). Any website with emissions that exceeds the global average receives an F rating.

This update makes Website Carbon more powerful by comparing all results to the global average, not just the web pages tested on Website Carbon. This change offers a wider view, helping users understand the environmental impact of websites on a global scale.

Website Carbon Rating Scale

Rating	Grams CO2e per pageview
A+	0.095
A	0.186
B	0.341
C	0.493
D	0.656
E	0.846
F	≥ 0.847



Website carbon results for: <https://www.lancerscott.co.uk/>



Oh no! This web page achieves a carbon rating of F

This is dirtier than **99%** of all web pages globally



This page was last tested on 7 April 2025.