

Seldram Supplies Limited & Krystal Hygiene Limited

2024 Carbon Footprint Report

Neutral Carbon Zone Analysis and Report on
Organisational and Operational Emissions

SeldramSupplies
Cleaning & Hygiene Materials

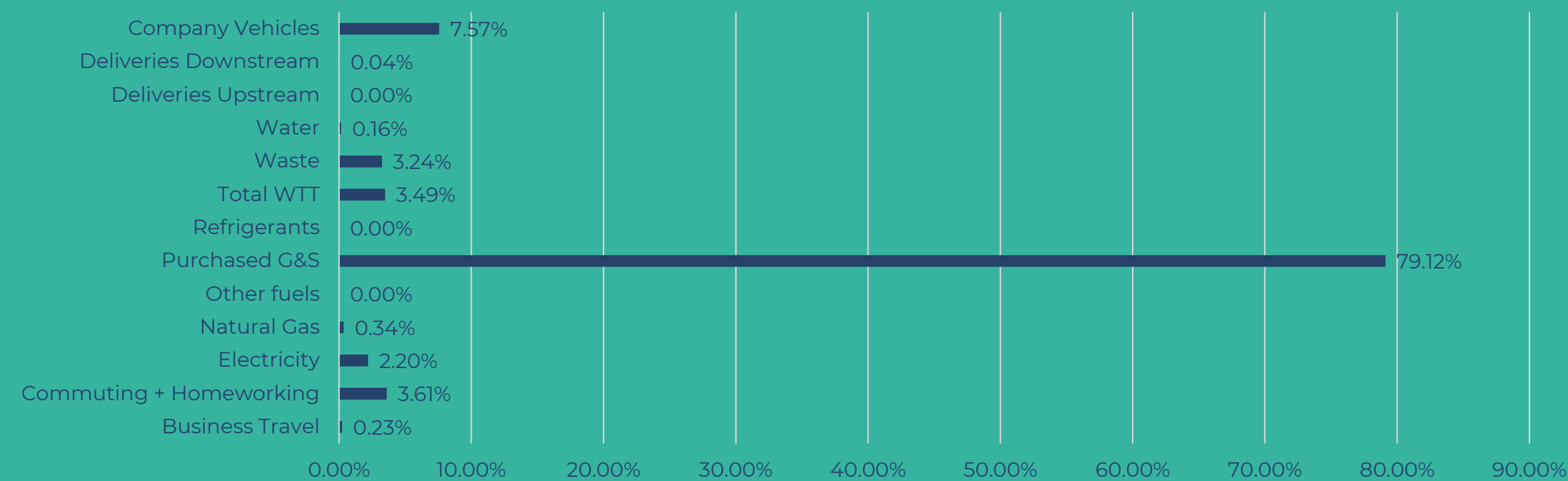


Executive Summary

This report details Seldram Supplies Limited & Krystal Hygiene Limited carbon footprint for the 2024 calendar year.

The analysis shows that Seldram Supplies Limited & Krystal Hygiene Limited’s carbon emissions for the period amounted to **1,424.88 tonnes of CO₂e**. The largest single source of emissions was Purchased Goods and Services (79.12%) followed by Company Vehicles (7.57%), Commuting and Homeworking (3.61%) Energy and Fuel Related Activities (Well-to-Tank and Transmission & Distribution) (3.49%) as illustrated below.

Percentage of Carbon Emissions by Activities, 2024



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)	1,424,886.11
FTE	62
Total Footprint/ FTE	22,982.03

Introduction

Seldram Supplies Limited & Krystal Hygiene Limited retained Neutral Carbon Zone to measure their organisational carbon footprint.

Seldram Supplies Limited supplies high-quality cleaning and hygiene solutions.

Krystal Hygiene Limited is one of the leading independent distributors of paper and catering disposables, chemicals and associated cleaning and hygiene materials in the UK.

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 January 2024 to 31st December 2024.

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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.



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.

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 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 Seldram Supplies Limited & Krystal Hygiene Limited has control. Control can be defined in either financial or operational terms.

- The financial control approach – Seldram Supplies Limited & Krystal Hygiene Limited 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 – Seldram Supplies Limited & Krystal Hygiene Limited 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 Seldram Supplies Limited & Krystal Hygiene Limited'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 Seldram Supplies Limited & Krystal Hygiene Limited covers the period from 1st January 2024 to 31st December 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. *Data for Krystal Hygiene Limited was for 6 months only Jul-Dec 23.*



Natural Gas – Consumption data provided as kilowatts.



Electricity – Consumption data provided as kilowatts.



Commuting and Homeworking – data was derived from a recent staff survey which received 59 responses (95%). Benchmarks were created from the collected data and extrapolated out to predict where there was a shortfall in primary data.



Waste – Data was supplied and kilos for Seldram Camberley. Other offices waste were calculated 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.



Water – Consumption data provided as cubic meters



Company Vehicles – Data supplied as litres for fuelled vehicles. Spend and Kilowatts supplied for electric vehicles.



Business Travel – Data was supplied as spend, therefore no Well-To-Tank has been calculated.



Purchased Goods and Services – Spend data provided and categorised by EPA emissions factors.

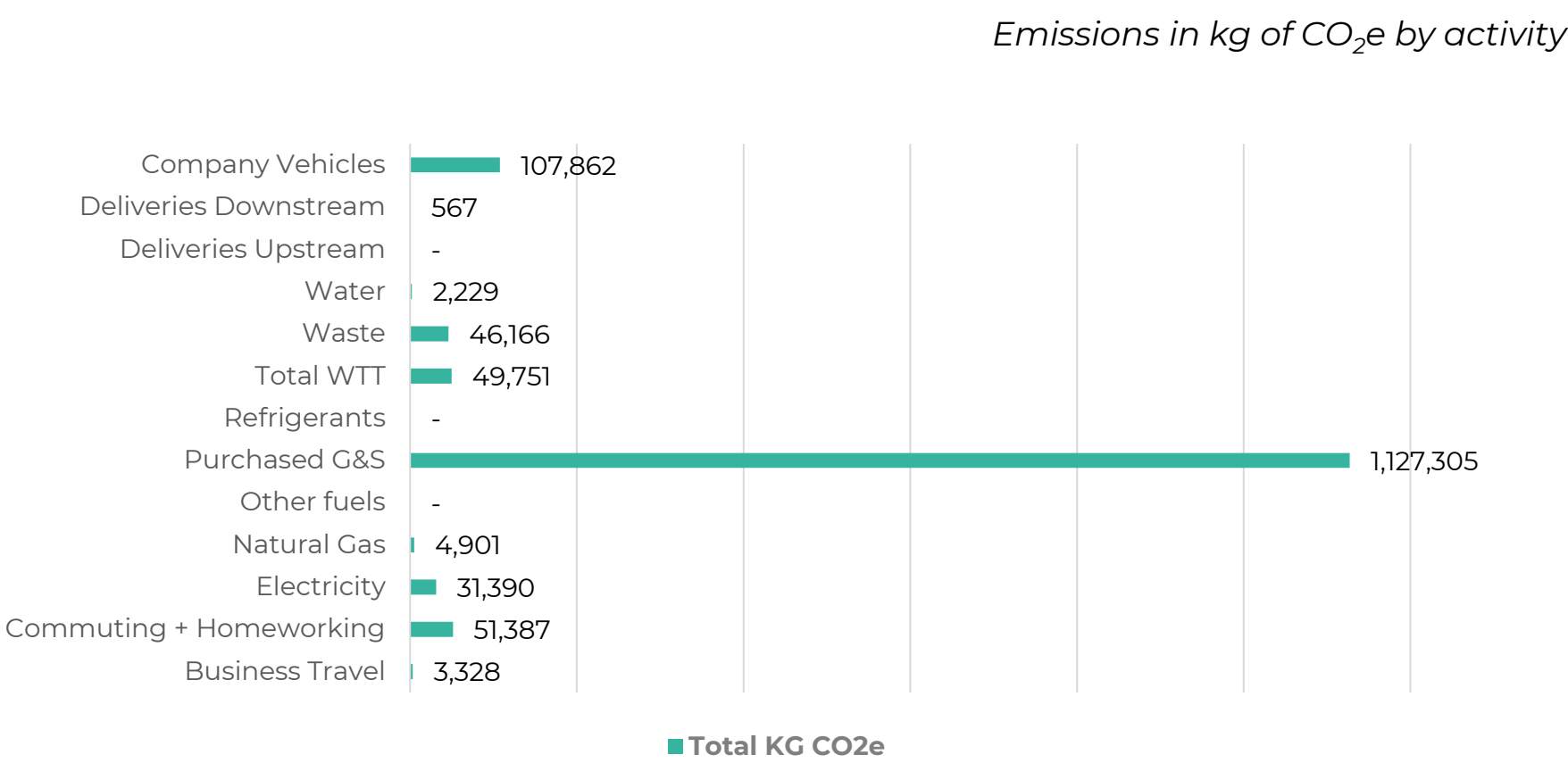


Downstream Deliveries – Distance travelled and weight of deliveries supplied.

Results

EMISSIONS BY ACTIVITY

The results of the project show that Seldram Supplies Limited & Krystal Hygiene Limited’s carbon footprint for the 2024 calendar year was **1,424.88 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 1,127.30 tCO₂e (79.12%), followed by Company Vehicles 107.86 tCO₂e (7.57%), Commuting and Homeworking 51.38 tCO₂e (3.61%) and Energy and Fuel Related Activities (Well-to-Tank and Transmission & Distribution) 49.75 tCO₂e (3.49%).



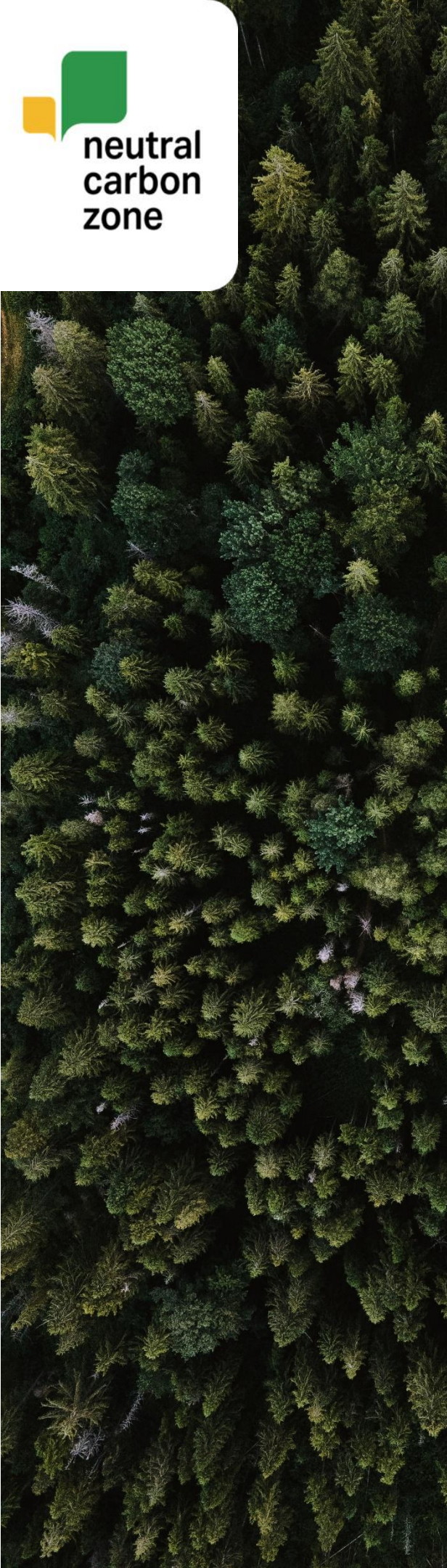
SUMMARY OF RESULTS



CARBON FOOTPRINT BY ACTIVITY

Seldram Supplies Limited & Krystal Hygiene Limited’s organisational carbon footprint by type of emission and activity.

Scope	Category	Total KgCO2e	% of total emissions scope wise	% of total emissions
Scope-1	Natural Gas	4,901	4.35%	0.34%
	Other fuels	-	0.00%	0.00%
	Refrigerants	-	0.00%	0.00%
	Company Vehicles	107,862	95.65%	7.57%
	Total Scope-1	112,763	100.00%	7.91%
Scope-2	Electricity	31,390	100.00%	2.20%
	Total Scope-2	31,390	100.00%	2.20%
Scope - 3	Business Travel	3,328	0.26%	0.23%
	Commuting + Homeworking	51,387	4.01%	3.61%
	Waste	46,166	3.60%	3.24%
	Water	2,229	0.17%	0.16%
	Deliveries Upstream	-	0.00%	0.00%
	Deliveries Downstream	567	0.04%	0.04%
	Purchased G&S	1,127,305	88.02%	79.12%
	WTT-Natural Gas	809	0.06%	0.06%
	WTT-Electricity	9,673	0.76%	0.68%
	WTT- Company Cars	26,317	2.05%	1.85%
	WTT-Commuting + Homeworking	12,814	1.00%	0.90%
	WTT-Downstream Deliveries	137	0.01%	0.01%
	Total Scope-3	1,280,734	100.00%	89.88%
TOTAL KgCO2e		1,424,886		100.00%





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 **112.76 tonnes of CO₂e** or 7.91% of Seldram Supplies Limited & Krystal Hygiene Limited's total footprint and stems from the usage of Company Vehicles.

SCOPE 2 - INDIRECT ENERGY EMISSIONS

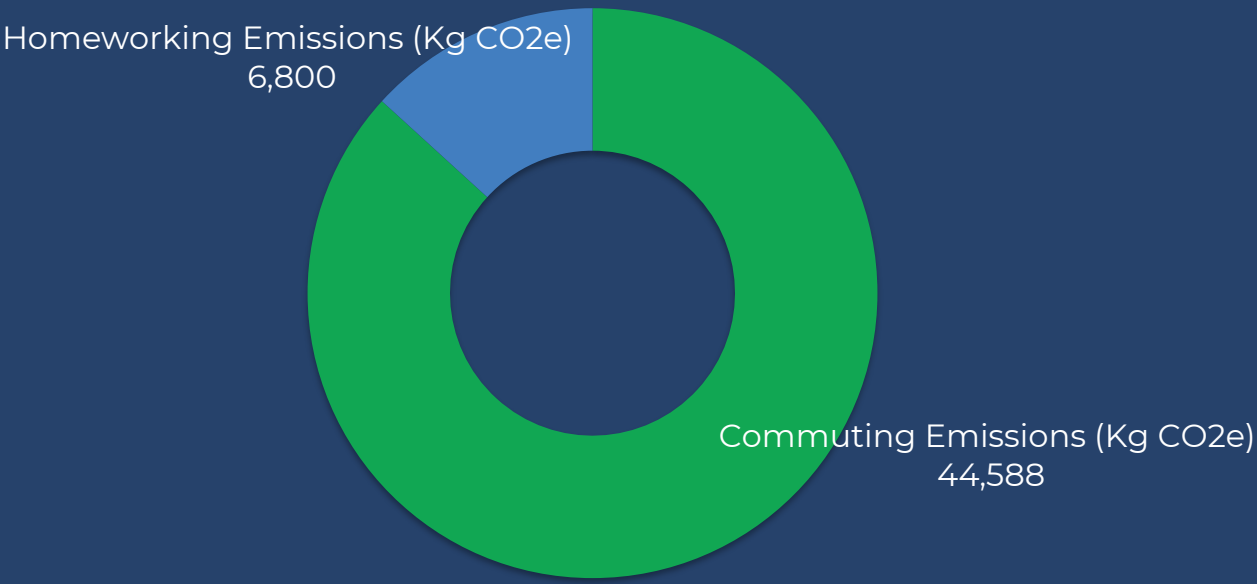
Indirect Energy Emissions arise from the generation of imported electricity, heat or steam consumed by the company. For Seldram Supplies Limited & Krystal Hygiene Limited, indirect energy emissions stemmed from the consumption of electricity for lighting, cooling, IT and other electrical equipment. Seldram Supplies Limited & Krystal Hygiene Limited's Scope 2 emissions amounted to **31.39 tonnes of CO₂e** or 2.20% of the total footprint.

SCOPE 3 – INDIRECT OTHER EMISSIONS

The sources of Other Indirect Emissions comprised 89.88% of total emissions or 1,280.73 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 Seldram Supplies Limited & Krystal Hygiene Limited staff to work and emissions associated with homeworking. This category totalled 51.38 tonnes of CO₂e or 3.61% of total emission. The graph below shows the split in emissions between commuting and homeworking.



Employee Commuting vs Homeworking Emissions Split



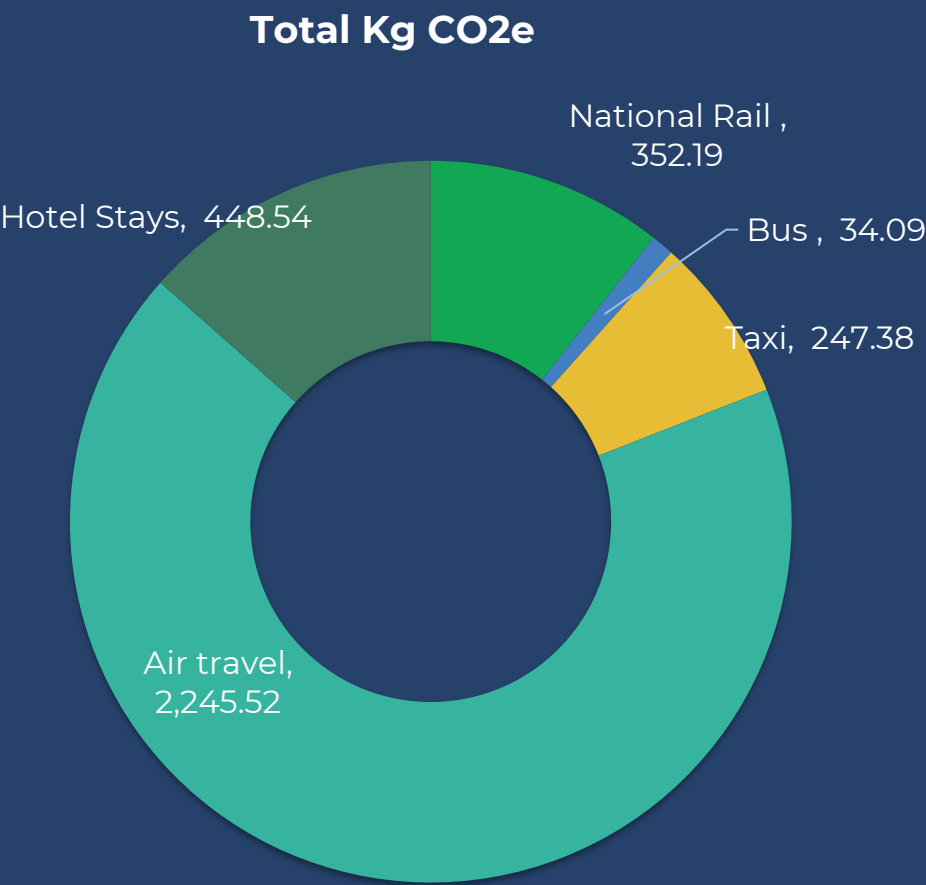
Commuting data emissions based on commuting mode and distance travelled.

Mode of Transport	Distance	Total KgCO2e
Petrol Cars	92,308	22,628
Diesel Cars	64,868	18,877
Diesel Vans	10,268	2,935
Bus	900	148
Walk/Cycle	2,385	-
Total	170,729	44,587.68

SCOPE 3 – INDIRECT OTHER EMISSIONS Cont..

BUSINESS TRAVEL

Business journeys made by Seldram Supplies Limited & Krystal Hygiene Limited staff resulted in 3.32 tonnes of CO₂e (0.23% of total emissions). The majority of these emissions stem from air travel.



Business Travel Split

WASTE

In the 2024 calendar year, Seldram Supplies Limited & Krystal Hygiene Limited produced 212.19 tonnes of waste resulting in 46.16 tCO₂e, 3.24% of the total footprint. The table below outlines the split in waste type and emissions.

Waste Type	Tonnage	Emissions kgCO ₂ e
Mixed Recycling	124.64	2,653
General Waste to landfill	87.55	43,514
TOTAL	212.19	46,166.37

WATER

Water consumption amounted to approximately 5,897.08m³. Emissions associated with supply and treatment of water therefore resulted in 2.22 tonnes of CO₂e or 0.16% of the total footprint.



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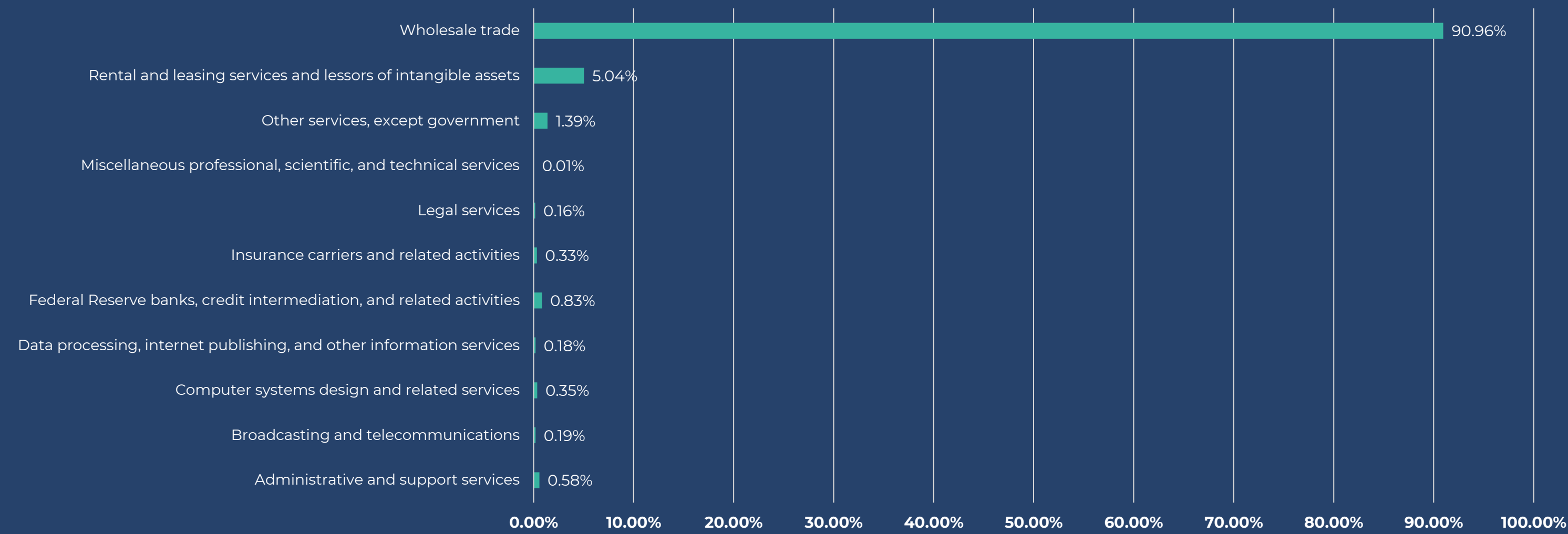
SCOPE 3 – INDIRECT OTHER EMISSIONS Cont..



PURCHASED GOODS & SERVICES

Goods and services purchased by Seldram Supplies Limited & Krystal Hygiene Limited resulted in 1,127.30 tonnes of CO₂e (79.12% of total emissions).

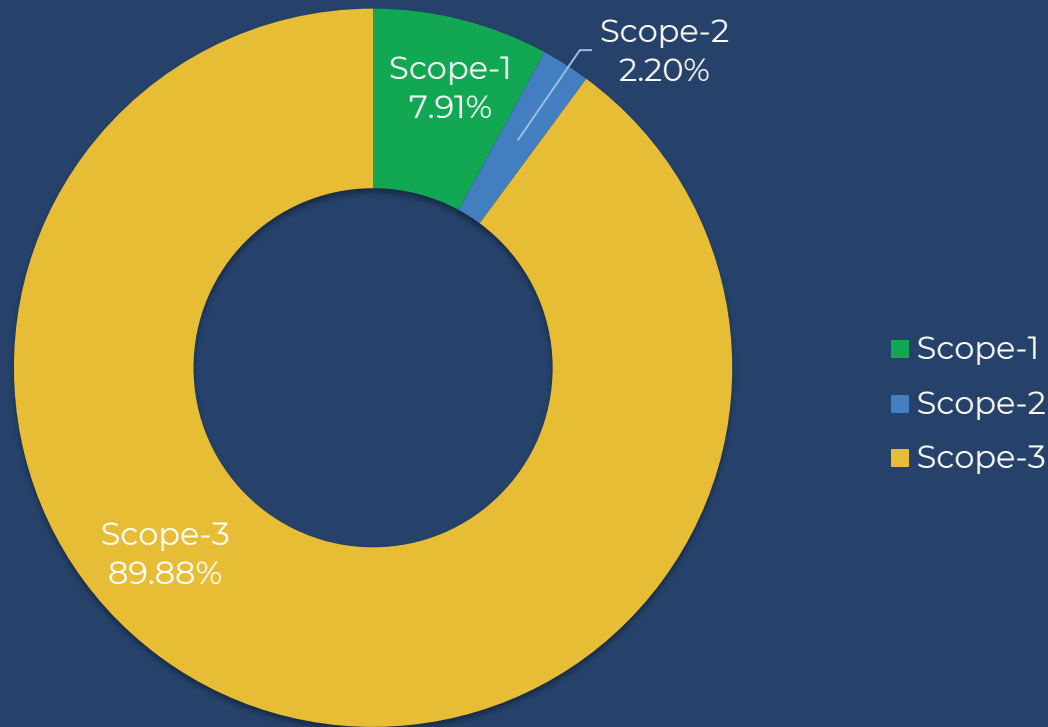
Emissions breakdown by category for P G&S



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 processes under scrutiny. Seldram Supplies Limited & Krystal Hygiene Limited's WTT and T&D emissions amounted to 49.75 tCO₂e or 3.49% 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 Seldram Supplies Limited & Krystal Hygiene Limited company site, more well-to-tank emissions are released.



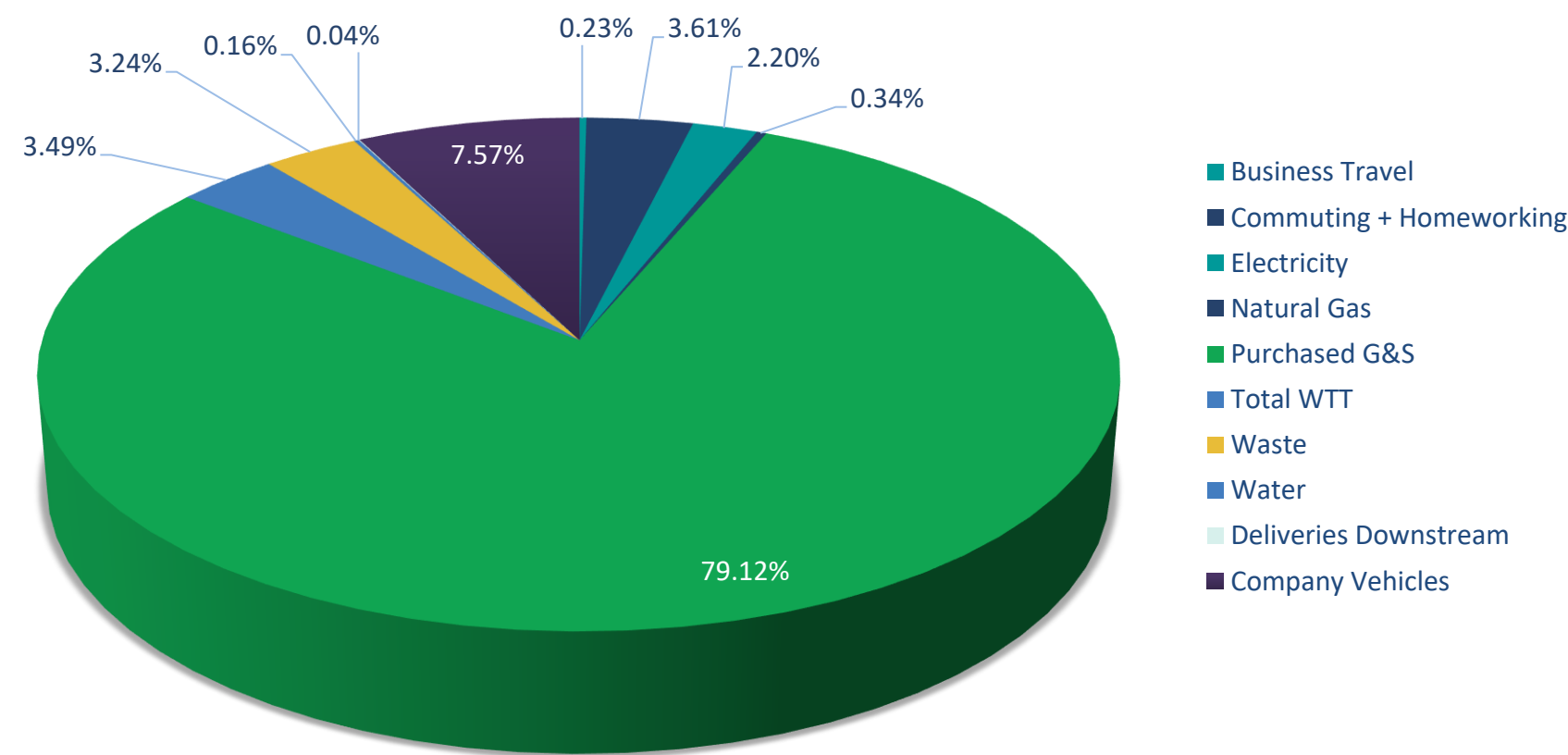
Emissions split by Scope





Conclusions & Recommendations

Neutral Carbon Zone has analysed Seldram Supplies Limited & Krystal Hygiene Limited’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 Seldram Supplies Limited & Krystal Hygiene Limited’s carbon footprint.



Emissions in kgCO₂e by Category

CONCLUSIONS & RECOMMENDATIONS

Ø Purchased Goods & Services was the largest emissions driver. It accounted for approximately 79.12% of total emissions. NCZ recommends that Seldram Supplies Limited & Krystal Hygiene Limited 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. Neutral Carbon Zone therefore recommends Seldram Supplies Limited & Krystal Hygiene Limited 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 Employee commuting and homeworking was the third largest emissions driver at 3.61% of emissions. Emissions could 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 Well to Tank emissions, the third largest emissions driver (3.49%), will subsequently fall with the reduction in other energy and fuel related activities.

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CONCLUSIONS & RECOMMENDATIONS Cont..

Ø Waste accounted for 3.24% of total emissions. In order to reduce emissions associated with waste, Seldram Supplies Limited & Krystal Hygiene Limited 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. Seldram Supplies Limited & Krystal Hygiene Limited could also consider a zero waste to landfill policy.

Ø Purchased electricity accounted for 2.20% of total emissions. This could be reduced further by switching to a 100% renewable energy tariff for purchased electricity and investigating the opportunities for the reduction in electricity consumption.

Ø Natural Gas represented 0.34% of the total organisational emissions for the period. NCZ recommends further analysis into the use of gas within the business premises to investigate the opportunities for further efficiencies, reduced consumption and potential alternatives to be considered. NCZ also recommends including green tariffs in the next energy contract tender to maximise the opportunities for carbon and fossil fuel reliance reduction.

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	2023	2024	% Difference
Total Footprint (KgCO2e)	1,250,108.74	1,424,886.11	13.98%
FTE	61.00	62.00	1.64%
Total Footprint/ FTE	20,493.59	22,982.03	12.14%

Scope	Category	Total KgCO2e 2023	Total KgCO2e 2024	% Difference
Scope-1	Natural Gas	4,017	4,901	22%
	Other fuels	-	-	-
	Refrigerants	-	-	-
	Company Cars	105,898	107,862	2%
	Total Scope-1	109,915	112,763	3%
Scope-2	Electricity	22,975	31,390	37%
	Total Scope-2	22,975	31,390	37%
Scope - 3	Business Travel	243	3,328	1268%
	Commuting + Homeworking	50,400	51,387	2%
	Waste	32,129	46,166	44%
	Water	2,529	2,229	-12%
	Deliveries Upstream	1,436	567	-61%
	Purchased G&S	983,896	1,127,305	15%
	WTT-Natural Gas	663	809	22%
	WTT-Electricity	7,080	9,673	37%
	WTT-Company Cars	25,995	26,317	1%
	WTT-Commuting + Homeworking	12,500	12,814	3%
	WTT-Upstream Deliveries	347	137	-61%
	Total Scope-3	1,117,219	1,280,734	15%
	TOTAL KgCO2e	1,250,109	1,424,886	14%



Appendix 1

Intensity Metrics by Company

Emissions By	Seldram Supplies Oxford	Seldram Supplies Camberley	Krystal Hygiene
Total Footprint (KgCO2e)	579,183.77	558,188.71	287,513.63
FTE	24	21	17
Total Footprint/ FTE	24,132.66	26,580.41	16,912.57



SELDRAM SUPPLIES OXFORD – Summary of Results

CARBON FOOTPRINT BY ACTIVITY

Seldram Supplies Oxford organisational carbon footprint by type of emission and activity.

Scope	Category	Total KgCO2e	% of total emissions scope wise	% of total emissions
Scope-1	Natural Gas	2,380	4.90%	0.41%
	Other fuels	-	0.00%	0.00%
	Refrigerants	-	0.00%	0.00%
	Company Vehicles	46,186	95.10%	7.97%
	Total Scope-1	48,566	100.00%	8.39%
Scope-2	Electricity	6,115	100.00%	1.06%
	Total Scope-2	6,115	100.00%	1.06%
Scope - 3	Business Travel	1,952	0.37%	0.34%
	Commuting + Homeworking	24,808	4.73%	4.28%
	Waste	641	0.12%	0.11%
	Water	892	0.17%	0.154%
	Deliveries Upstream	-	0.00%	0.00%
	Deliveries Downstream	180	0.03%	0.03%
	Purchased G&S	476,057	90.76%	82.19%
	WTT-Natural Gas	393	0.07%	0.07%
	WTT-Electricity	1,885	0.36%	0.33%
	WTT- Company Cars	11,276	2.15%	1.95%
	WTT-Commuting + Homeworking	6,375	1.22%	1.10%
	WWT-Downstream Delivie	44	0.01%	0.01%
Total Scope-3		524,502	100.00%	90.56%
TOTAL KgCO2e		579,184		

SELDRAM SUPPLIES CAMBERLEY – Summary of Results



CARBON FOOTPRINT BY ACTIVITY

Seldram Supplies Camberley 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	29,497	100.00%	5.28%
	Total Scope-1	29,497	100.00%	5.28%
Scope-2	Electricity	21,488	100.00%	3.85%
	Total Scope-2	21,488	100.00%	3.85%
Scope - 3	Business Travel	1,278	0.25%	0.23%
	Commuting + Homeworking	21,763	4.29%	3.90%
	Waste	45,269	8.93%	8.11%
	Water	1,280	0.25%	0.229%
	Deliveries Upstream	-	0.00%	0.00%
	Deliveries Downstream	363	0.07%	0.07%
	Purchased G&S	418,105	82.43%	74.90%
	WTT-Electricity	6,622	1.31%	1.19%
	WTT-Company Cars	7,206	1.42%	1.29%
	WTT-Commuting + Homeworking	5,230	1.03%	0.94%
	WTT-Downstream Deliveries	88	0.02%	0.02%
	Total Scope-3	507,204	100.00%	90.87%
	Total Kg CO₂e	558,189		

KRYSTAL HYGIENE – Summary of Results

CARBON FOOTPRINT BY ACTIVITY

Krystal Hygiene 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	2,521	7.27%	0.88%
	Other fuels	-	0.00%	0.00%
	Refrigerants	-	0.00%	0.00%
	Company Vehicles	32,179	92.73%	11.19%
	Total Scope-1	34,700	100.00%	12.07%
Scope-2	Electricity	3,786	100.00%	1.32%
	Total Scope-2	3,786	100.00%	1.32%
Scope - 3	Business Travel	97	0.04%	0.03%
	Commuting + Homeworking	4,816	1.93%	1.68%
	Waste	256	0.10%	0.09%
	Water	57	0.02%	0.020%
	Deliveries Upstream	-	0.00%	0.00%
	Deliveries Downstream	24	0.01%	0.01%
	Purchased G&S	233,144	93.62%	81.09%
	WTT-Natural Gas	416	0.17%	0.14%
	WTT-Electricity	1,167	0.47%	0.41%
	WTT- Company Cars	7,835	3.15%	2.73%
	WTT-Commuting + Homeworking	1,209	0.49%	0.42%
	WTT-Downstream Deliveries	6	0.00%	0.00%
	Total Scope-3	249,027	100.00%	86.61%
	TOTAL KgCO₂e	287,514		

Annex 1

Historic annual emissions breakdown and Carbon Neutrality Claim

Seldram Supplies provided data for the 2020, 2021, 2022, 2023 and 2024 date ranges in order to ascertain the full annual carbon impact for each period.

On the following page, *Table A* shows a breakdown of all direct and indirect scope 1, 2 and 3 emissions as an annual total for each entity within the group, including the emissions associated with the wholesale trade products being purchased on behalf of their clients. These "outside of control" emissions will form part of a carbon measured service offering that will ultimately enable Seldram Supplies to offer its clients with the ability to understand the specific emissions associated with their own individual purchases.

Table B shows the total emissions for each annual period and entity excluding the wholesale trade emissions. For the purposes of carbon neutrality, Seldram Supplies has committed to verifiably offset all organisational emissions that fall within their operational control to achieve carbon neutrality as a business, whilst progressing their carbon management offering to incorporate client specific reporting, which will enable clients to make informed decisions around the impact of their product spend.

A certified and ICROA approved carbon offset retirement of 1360 credits has been commissioned to verifiably balance a total of 1359.30 tCO₂e for the purposes of carbon neutrality for organisational emissions for the period 2020-2024

Annex 1 cont..

Table A - Overall total emissions	2020	2021	2022	2023	2024	Total Tonnes
Sledram Oxford Ltd	429.26	310.31	439.26	547.26	579.18	2305.27
Seldram Camberley Ltd	391.70	291.79	415.60	531.50	558.18	2188.77
Krystal Hygiene Ltd				171.33	287.51	458.84
						4952.88

Table B - In control emissions	2020	2021	2022	2023	2024	Total Tonnes
Sledram Oxford Ltd	96.81	69.98	99.06	126.84	127.00	519.69
Seldram Camberley Ltd	130.16	96.96	138.10	174.59	187.61	727.43
Krystal Hygiene Ltd				32.78	79.40	112.18
						1359.30