

GREENHOUSE GAS EMISSIONS INVENTORY AND MANAGEMENT REPORT

Carbon Reduce programme

Prepared in accordance with ISO 14064-1:2018 and the Technical Requirements of the Programme



Optimum Medical Solutions Limited

Prepared by (lead author): Ian Wheeler

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Verification status: Reasonable

Measurement period: 01 October 2020 to 30 September 2021

Base year period: 01 October 2020 to 30 September 2021

Approved for release by:

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Gareth Rimmington, Product Director

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This report shall not be used to make public greenhouse gas assertions without independent verification and issue of an assurance statement by Toitū Envirocare.

AVAILABILITY

Open dissemination to all public via our website

REPORT STRUCTURE

The Inventory Summary contains a high-level summary of this year's results and from year 2 onwards a brief comparison to historical inventories.

Chapter 1, the Emissions Inventory Report, includes the inventory details and forms the measure step of the organisation's application for Programme certification. The inventory is a complete and accurate quantification of the amount of GHG emissions and removals that can be directly attributed to the organisation's operations within the declared boundary and scope for the specified reporting period. The inventory has been prepared in accordance with the requirements of the Programme¹, which is based on the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004) and ISO 14064-1:2018 Specification with Guidance at the Organization Level for Quantification and Reporting of Greenhouse Gas Emissions and Removals². Where relevant, the inventory is aligned with industry or sector best practice for emissions measurement and reporting.

Chapter 2, the reduction plan and progress report, forms the manage step part of the organisation's application for Programme certification.

See Appendix 1 and the related Spreadsheet for detailed emissions inventory results, including a breakdown of emissions by source and sink, emissions by greenhouse gas type, and non-biogenic and bio-genic emissions. Appendix 1 also contains detailed context on the inventory boundaries, inclusions and exclusions, calculation methodology, liabilities, and supplementary results.

This overall report provides emissions information that is of interest to most users but must be read in conjunction with the inventory workbook for covering all of the requirements of ISO 14064-1:2018.

¹ Programme refers to the Toitū carbonreduce and the Toitū net carbonzero programmes.

² Throughout this document 'GHG Protocol' means the *GHG Protocol Corporate Accounting and Reporting Standard* and 'ISO 14064-1:2018' means the international standard *Specification with Guidance at the Organizational Level for Quantification and Reporting of Greenhouse Gas Emissions and Removals*.

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EXECUTIVE SUMMARY

This is the annual greenhouse gas (GHG) emissions inventory and management report for Optimum Medical Solutions Limited covering the measurement period 01 October 2020 to 30 September 2021.³

This report outlines our top emissions sources and includes descriptions of site-specific sustainability projects aimed at GHG emissions reduction.

Table 1: Inventory summary

Category (ISO 14064-1:2018)	Scopes (ISO 14064-1:2006)	2021
Category 1: Direct emissions	Scope 1	41.20
Category 2: Indirect emissions from imported energy (location-based method*)	Scope 2	8.61
Category 3: Indirect emissions from transportation	Scope 3	3,117.10
Category 4: Indirect emissions from products used by organisation	Scope 3	5.20
Category 5: Indirect emissions associated with the use of products from the organisation	Scope 3	0.00
Category 6: Indirect emissions from other sources	Scope 3	0.00
Total direct emissions		41.20
Total indirect emissions*		3,130.90
Total gross emissions*		3,172.10
Category 1 direct removals		0.00
Purchased emission reductions		0.00
Total net emissions		3,172.10

*Emissions are reported using a location-based methodology. See section 1.2.1 for details.1.2.1

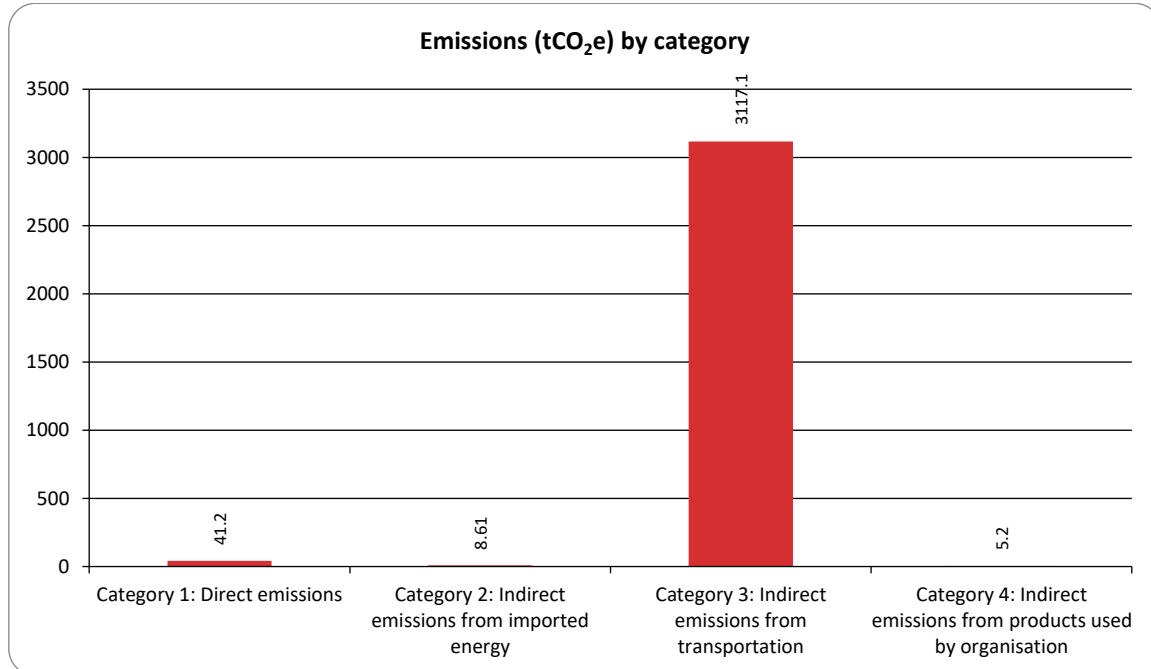


Figure 1: Emissions (tCO₂e) by Category for this measurement period

³ Throughout this document “emissions” means “GHG emissions”.

CHAPTER 1: EMISSIONS INVENTORY REPORT

1.1. INTRODUCTION

This report is the annual greenhouse gas (GHG) emissions inventory and management report for Optimum Medical Solutions Ltd.

The purpose of this report is to consolidate our annual greenhouse gas (GHG) emissions and support emissions management. The continual maintenance of this report will allow annual comparative analyses on the activity of our emission sources. This process will form part of the overall company's emissions reduction strategy.

The inventory report and any GHG assertions are expected to be verified by a Programme-approved, third-party verifier. The level of assurance is reported in a separate Assurance Statement provided to the directors of the certification entity.

1.2. EMISSIONS INVENTORY RESULTS

Table 2: GHG emissions inventory summary for this measurement period

Measurement period: 01 October 2020 to 30 September 2021.

Category	Toitū carbon mandatory boundary (tCO ₂ e)	Additional emissions (tCO ₂ e)	Total emissions (tCO ₂ e)
Category 1: Direct emissions	41.20 Average car Plug-in Hybrid Electric Vehicle, Car Average (diesel), Car Average (petrol), Natural Gas	0.00	41.20
Category 2: Indirect emissions from imported energy (location-based method*)	8.61 Electricity UK (Generation) (2013 Methodology)	0.00	8.61
Category 3: Indirect emissions from transportation	3,085.30 Car Average (diesel), Car Average (petrol), Car Average (unknown fuel type), Freight Air travel long haul (average), Freight Road all trucks (average), Freight Shipping container (average)	31.79 Car Average (unknown fuel type)	3,117.10
Category 4: Indirect emissions from products used by organisation	2.30 Electricity UK (T&D losses) (2013 Methodology), Waste disposal Paper and board: board Closed-loop, Waste to landfill - office waste	2.90 Water supply, Water treatment, Waste disposal Mixed municipal waste	5.20
Category 5: Indirect emissions associated with the use of products from the organisation	0.00	0.00	0.00
Category 6: Indirect emissions from other sources	0.00	0.00	0.00
Total direct emissions	41.20	0.00	41.20
Total indirect emissions*	3,096.22	34.69	3,130.90
Total gross emissions*	3,137.41	34.69	3,172.10
Category 1 direct removals	0.00	0.00	0.00
Purchased emission reductions	0.00	0.00	0.00
Total net emissions	3,137.41	34.69	3,172.10

Category	Toitū carbon mandatory boundary (tCO ₂ e)	Additional emissions (tCO ₂ e)	Total emissions (tCO ₂ e)
Emissions intensity		Mandatory emissions	Total emissions
Operating revenue (gross tCO ₂ e / £Millions)		216.37	218.77

*Emissions are reported using a location-based methodology. See section 1.2.1 for details.1.2.1

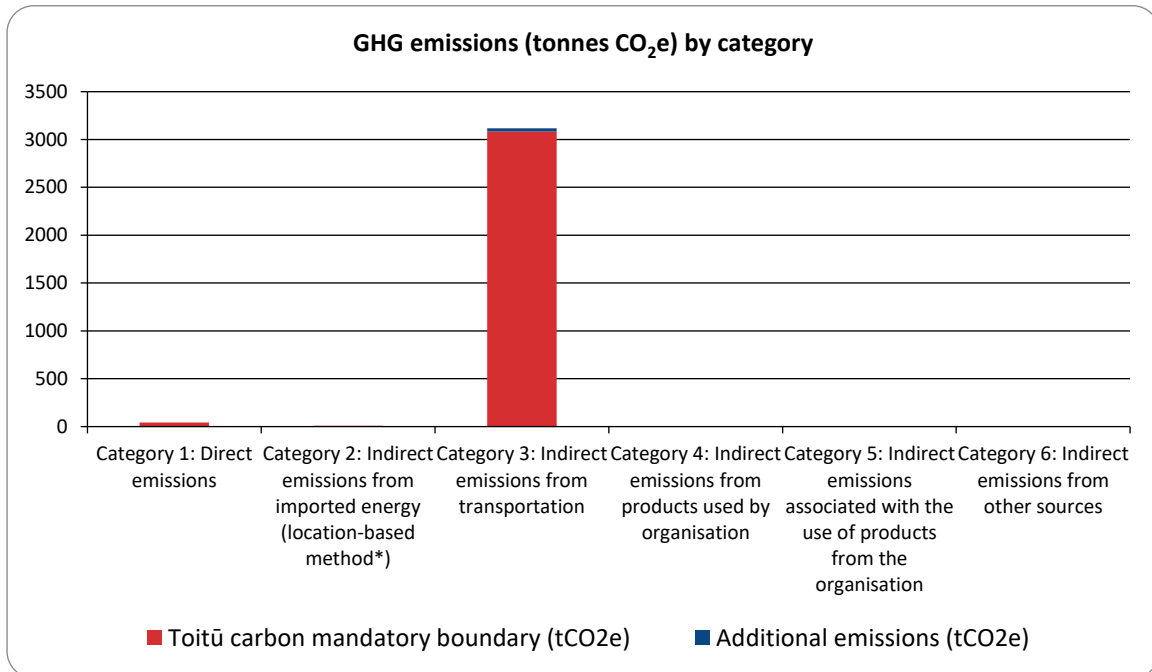


Figure 2: GHG emissions (tonnes CO₂e) by category

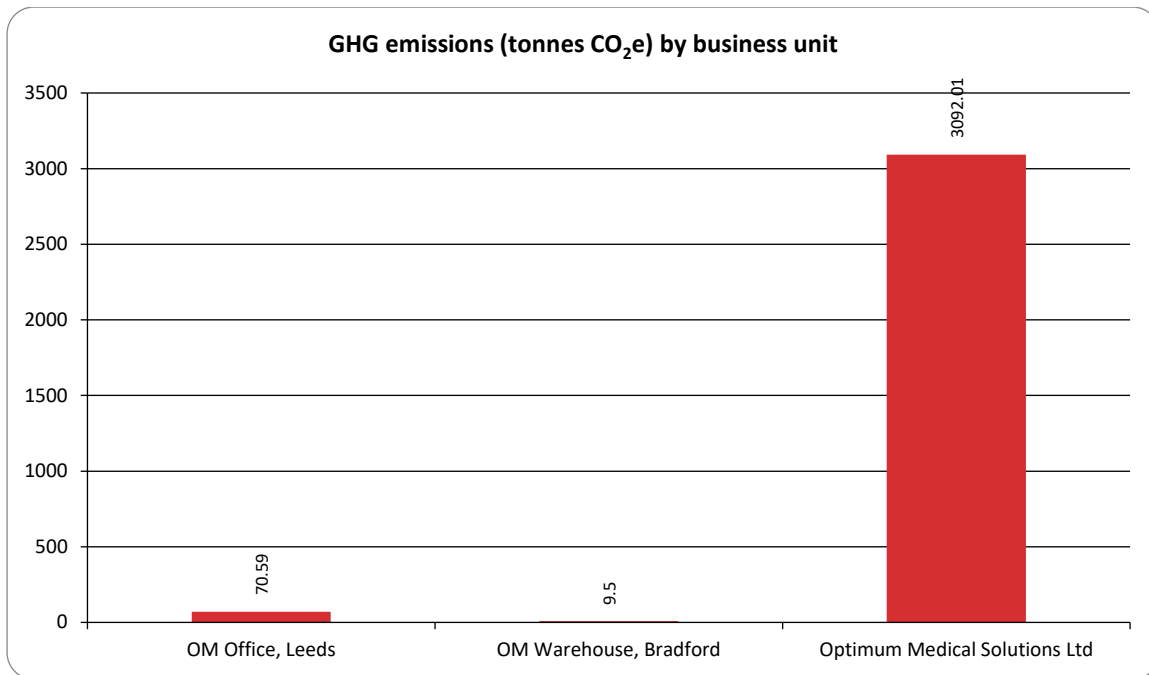


Figure 3: GHG emissions (tonnes CO₂e) by business unit

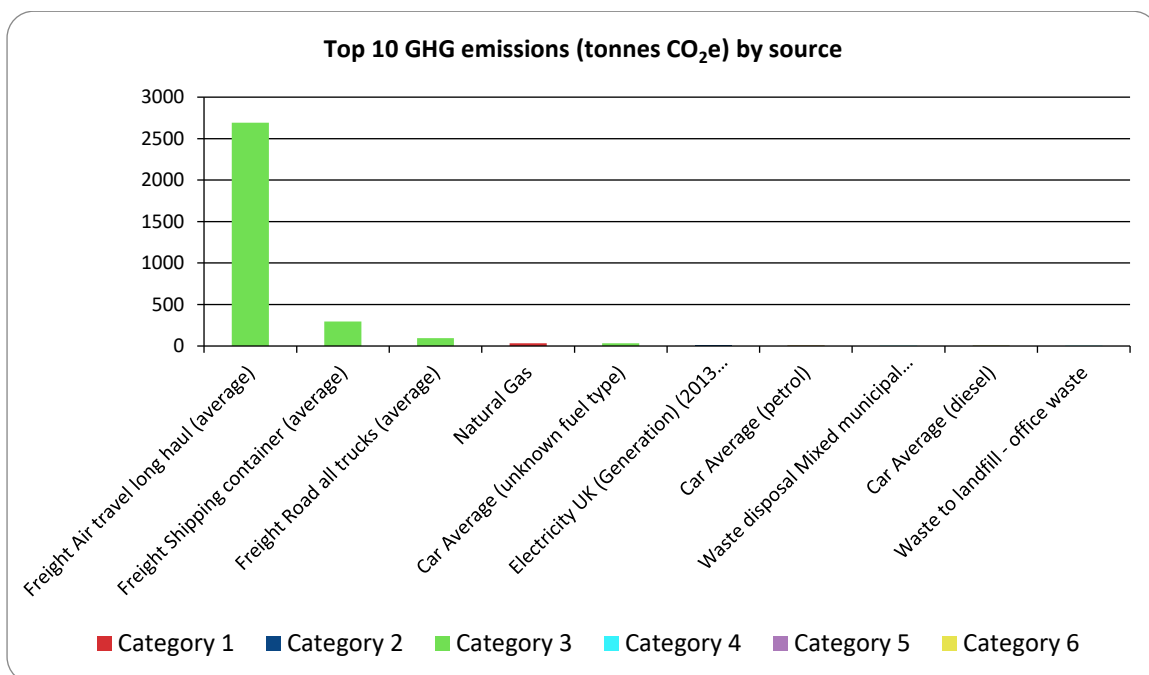


Figure 4: Top 10 GHG emissions (tonnes CO₂e) by source

1.2.1. Dual reporting of indirect emissions from purchased and generated energy

All purchased and generated energy emissions are reported using the location-based method. Dual reporting illustrates the role of supplier choice, onsite renewable energy generation and contractual instruments in managing indirect emissions from energy alongside any ongoing energy efficiency and reduction efforts.

Optimum Medical Solutions Limited aligns to location-based reporting for tracking energy related emissions and reductions over time.

We have reviewed 75% of our utility supplies and engaged into renewable source contracts. We aim to renew the remaining contracts before the next reporting period.

All of these supplies will have data loggers connected so our use can be analysed and reduced or transferred to times of less impact on the national grid.

Table 3. Dual reporting of indirect emissions from imported energy

Category	Location-based methodology (tCO ₂ e)
Category 1: Direct emissions	41.20
Category 2: Indirect emissions from imported energy	8.61
Category 3: Indirect emissions from transportation	3,117.10
Category 4: Indirect emissions from products used by organisation	5.20
Category 5: Indirect emissions associated with the use of products from the organisation	0.00
Category 6: Indirect emissions from other sources	0.00
Total direct emissions	41.20
Total indirect emissions	3,130.90
Total gross emissions	3,172.10
Category 1 direct removals	0.00
Total net emissions	3,172.10

1.3. ORGANISATIONAL CONTEXT

1.3.1. Organisation description

Optimum Medical Solutions are specialists in lubrication and urology products. Our products are found in every NHS acute hospital, and we offer the UK's largest range of healthcare lubricants. Within the UK we supply products to over 300 Trusts, as well as to retail pharmacies, GP surgeries private hospitals and care homes. Internationally we export to more than 60 countries around the world, in Europe, North America, Africa, Asia and Australia.

Our mission is to supply customers with a better, greener and easier way of getting their healthcare appliances, whether this is via a prescription or a direct sale through our website. Vyne takes the hassle out of getting prescription items, we deal directly with the individuals GP, receiving the prescription and posting items directly to customers.

Commitment to certification

Over the years we've noticed a lack of attention in the healthcare industry towards sustainability. We felt we could do something about that – with even the smallest changes growing into great things.

We are committed to driving change in our sector, through measuring, managing and reducing our emissions and embracing new technologies to reinvent the way we carry out our business activities. We aim to exploit all opportunities for energy savings throughout the business, in order to establish ourselves as an environmentally responsible organisation as well as a contributor to national and industry carbon reduction targets.

GHG Reporting

Historically as a company we have always had ethical and responsible operating practices and goals, in fact 'sustainability conscious' is one of our four company pledges.

Measuring our GHG emissions is the start of us pulling together all of our environmental and social value activities and targeting our efforts on areas where we can have the biggest impact. This report will also enable

us to demonstrate our environmental commitments to our customers and to our supply chain whom we expect to mirror our own ambitions.

Climate Change Impacts

Climate change will impact the nature of our business operations in various ways including but not limited to availability of materials, potential increase in demand for healthcare products, and our products and services will also need to be constantly reviewed to ensure resilience to the changing climate.

Parent Company Targets

No parent company associated with the business

1.3.2. Statement of intent

This inventory forms part of the organisation's commitment to gain Toitū Carbon Reduce certification. The intended uses of this inventory are:

Intended use and users

This report will help us to:

- Gain compliance with the Toitū carbonreduce program
- Reduce emissions
- Respond to customer demands
- Respond to public expectations
- Contribute to staff culture
- Inform operational decisions
- Contribute to brand value

Intended users of this report include, but are not limited to:

- Our directors
- Our management team
- Our external 'carbonreduce' programme account auditors
- Our suppliers
- Our customers

Other schemes and requirements

The inventory will be used to support PPN 06/21 submissions

1.3.3. Person responsible

Ian Wheeler, Sustainability and Corporate Social Responsibility Manager is responsible for overall emission inventory measurement and reduction performance, as well as reporting results to top management. Ian Wheeler, Sustainability and Corporate Social Responsibility Manager has the authority to represent top management and has financial authority to authorise budget for the Programme, including Management projects and any Mitigation objectives.

State any other people/entities Programme

The reporting is supported by the Optimum Medical management team, who allocate appropriate resource for the collection of data and implementation of reduction strategies.

Operating as company CSR and Sustainability Manager and experience within Local Authorities

Top management commitment

The Optimum Medical Directors and senior management team are committed to long term measurement and reduction of the companies emissions and will measure and record progress year on year.

The management team is committed to supporting the development of an emissions management and reduction plan covering all relevant year 1 requirements.

For subsequent reporting periods, the management team is committed to supporting development of a comprehensive emissions management plan by Year 2 and beyond.

Emissions measurement and management is to be reported directly to the directors on a half yearly basis, with progress reports on any associated reduction interventions. Summaries and verbal updates will be provided at senior management meetings following the director update.

Management involvement

Annual reporting will be provided to the senior management team. This group provides resources and budget for collection and processing of data and inventory report development.

The lead author of this report is provided with resource (financial and staff) from across the business, to ensure our inventory process is 'bedded in' to our long-term procedures and culture.

1.3.4. Reporting period

Base year measurement period: 01 October 2020 to 30 September 2021

The base year was selected as it is the earliest year in which we could gather accurate, reliable data. The Covid-19 pandemic started mid-way through this reporting period, so this did have impacts on our business practices, particularly around home working, staff travel (UK and overseas) and the methods of shipping used, this should be borne in mind.

Measurement period of this report: 01 October 2020 to 30 September 2021

Reporting will be done annually with progress reports mid-year. An October to September reporting year was chosen to align with our financial reporting cycles.

This base year was selected as it is the first year in which we have access to a materially complete set of data records for forming the inventory.

1.3.5. Organisational boundary and consolidation approach

An operational control consolidation approach was used to account for emissions.⁴

Organisational boundaries were set with reference to the methodology described in the GHG Protocol and ISO 14064-1:2018 standards.

Justification of consolidation approach

The operational control boundary approach was selected as it aligns with the way our business is structured. It enables us to focus carbon reduction in areas where we have full control, whilst still retaining the ability to engage with partner organisations where we do not have any control but can influence and support to improve their behaviours.

⁴control: the organisation accounts for all GHG emissions and/or removals from facilities over which it has financial or operational control.
equity share: the organisation accounts for its portion of GHG emissions and/or removals from respective facilities.

Organisational structure

Figure 5 shows what has been included in the context of the overall structure.

The parts of the business structure below have been identified as being within this emissions inventory as we have full operational control over the business activities at the Leeds Head Office and Bradford Warehouse. Cross cutting activities such as freight and business travel are allocated against the company at top level. Where activities can be site allocated (employee commuting, utilities etc) these are allocated against the relevant business activity.

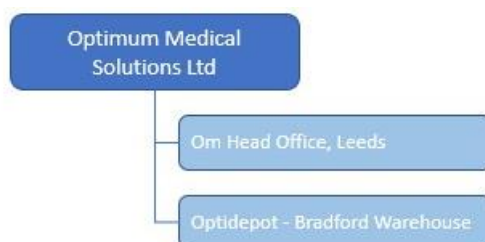


Figure 5: Organisational structure

Table 4. Brief description of business units, sites and locations included in this emissions inventory

Company/Business unit/Facility	Physical location	Description
Optimum Medical	Tenant Hall, Blenheim Grove, Leeds, LS2 9ET	Company head office
Optidepot (Warehouse)	Unit 2, Thornbury Industrial Park, Woodhall Road, Bradford, BD3 7AF	Company UK warehouse

1.3.6. Excluded business units

No business units excluded

CHAPTER 2: EMISSIONS MANAGEMENT AND REDUCTION REPORT

2.1. EMISSIONS REDUCTION RESULTS

As this is our base year no commentary on organisation performance has been included.

Table 5: Comparison of historical GHG inventories

Category	2021
Category 1: Direct emissions	41.20
Category 2: Indirect emissions from imported energy (location-based method*)	8.61
Category 3: Indirect emissions from transportation	3,117.10
Category 4: Indirect emissions from products used by organisation	5.20
Category 5: Indirect emissions associated with the use of products from the organisation	0.00
Category 6: Indirect emissions from other sources	0.00
Total direct emissions	41.20
Total indirect emissions*	3,130.90
Total gross emissions*	3,172.10
Category 1 direct removals	0.00
Purchased emission reductions	0.00
Total net emissions	3,172.10
Emissions intensity	
Operating revenue (gross tCO ₂ e / £Millions)	218.77
Operating revenue (gross mandatory tCO ₂ e / £Millions)	216.37

*Emissions are reported using a location-based methodology. See section 1.2.1 for details.1.2.1

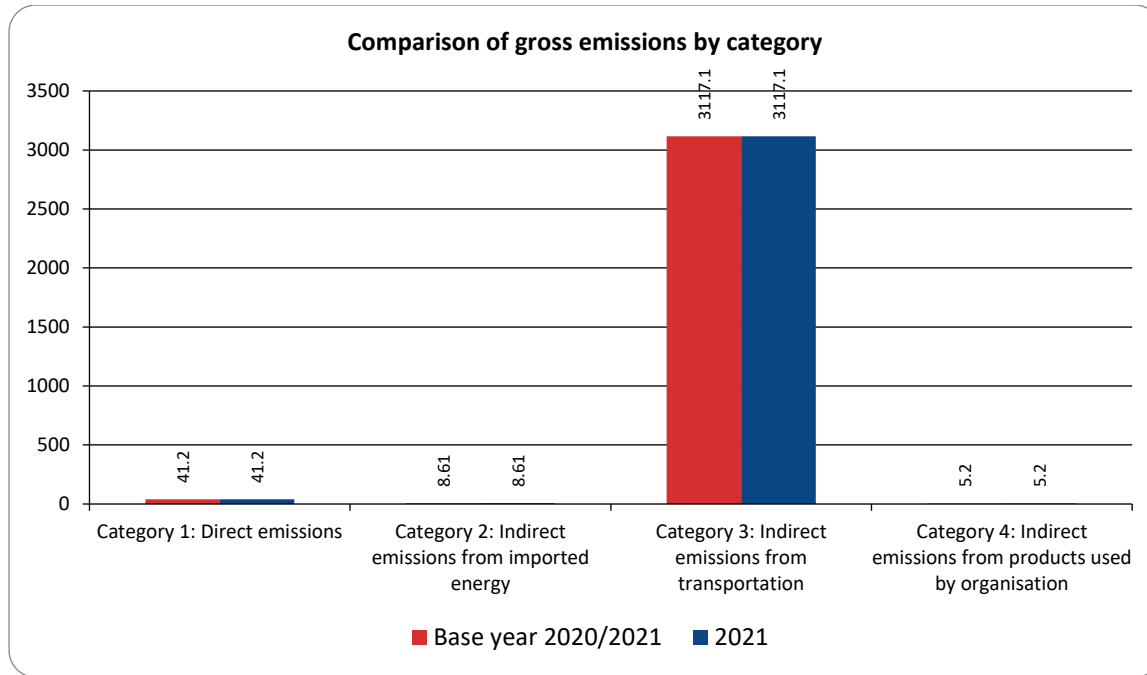


Figure 6: Comparison of gross emissions by category between the reporting periods

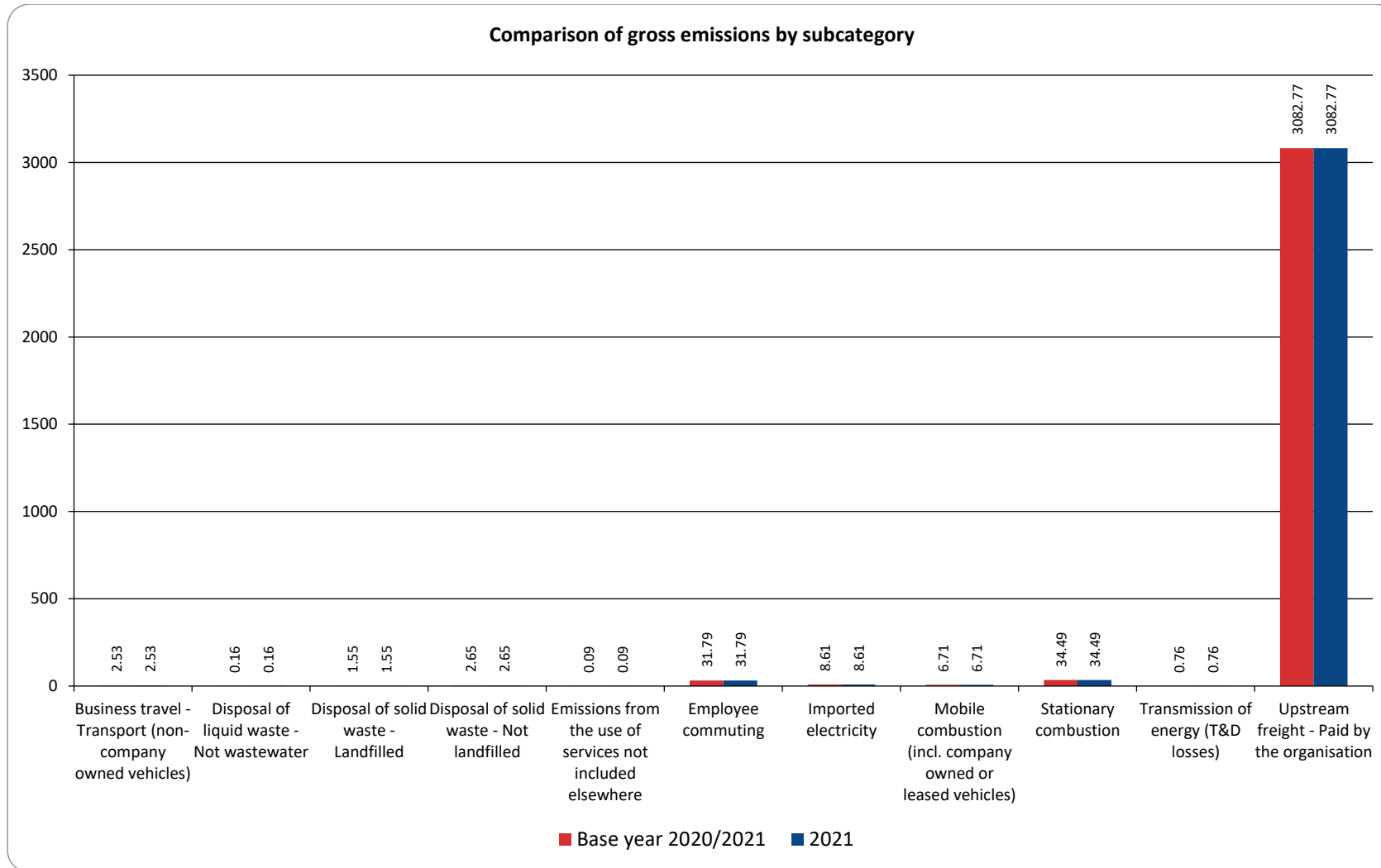


Figure 7: Comparison of gross emissions by subcategory between the reporting periods

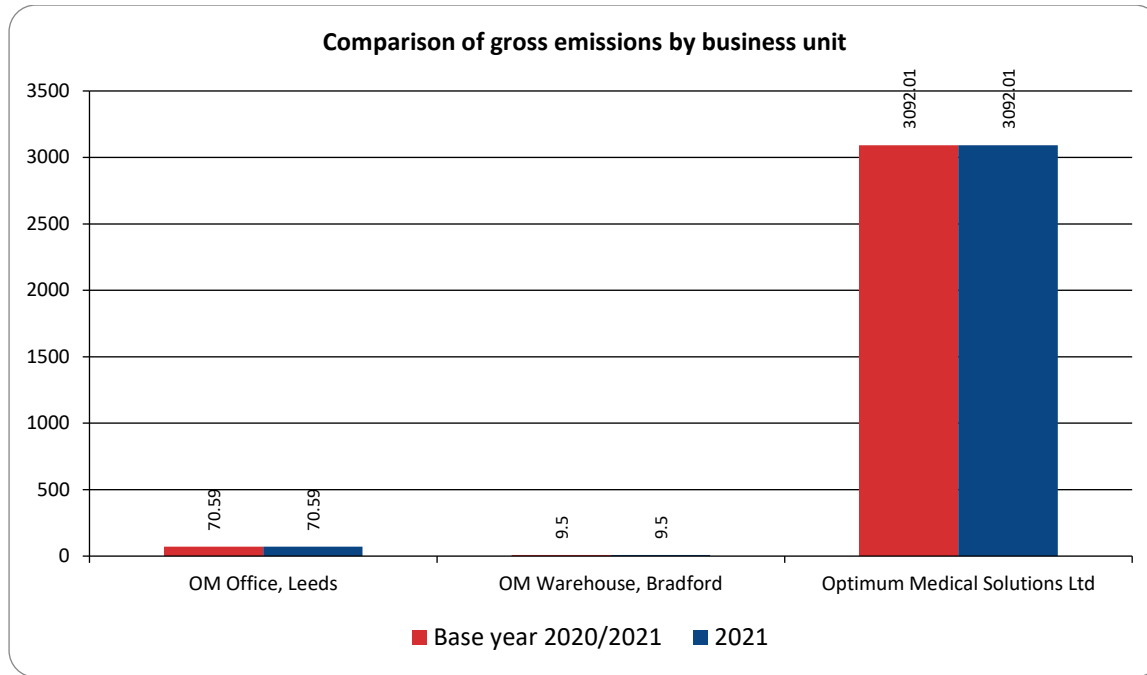


Figure 8: Comparison of gross emissions by business unit between the reporting periods

This is the base year

Table 6. Performance against plan

Performance
This is the base year

2.2. SIGNIFICANT EMISSIONS SOURCES

Significant sources

Our top emissions sources are Freight, natural gas, staff business travel (road travel) and electricity.

Activities responsible for generating significant emissions

A significant amount of our overall emissions is freight, with air causing a disproportionate amount of these emissions, but also covering sea and to a much smaller extent road (generally the last leg of a journey from the port to a warehouse).

Natural gas is the gas used for central heating and hot water at our UK sites

Staff mileage is mainly sales and nursing team visits to clients and customers, but also includes remote staff travel to company offices as and when required.

Electricity is power used at our UK sites. This is likely to increase despite reduction strategies due to increased use of electrical vehicle chargers installed at the work locations.

Influences over the activities

Freight activity is largely influenced by the amount of product we need to produce. The proportion of air/sea/road freight is influenced mainly by the urgency of the customer; however, we can reduce this if we hold more stock at applicable warehouse locations. We have been working on reducing sea freight through consolidation of containers and bulk collation of orders.

Natural gas is used for heating of office space and water at our sites. We can reduce this through increasing the efficiency of our heating systems and adequate insulation of our properties.

Staff mileage associated emissions is influenced by the mode of commute, the type of vehicles used and the frequency of meetings. This can be reduced through selecting a lower emission means of travel where possible (e.g., train), the purchase of low emission vehicles as we replace our fleet, and remote meetings wherever this will not be detrimental to the business.

Electricity is required at all work locations, whilst we have interventions planned to reduce our use of power in buildings, in other areas an increase in the use of electricity is desirable e.g., whereby using electric cars to drive miles that would otherwise be done in a diesel or petrol car.

Significant sources that cannot be influenced

N/A

2.3. EMISSIONS REDUCTION TARGETS

The organisation is committed to managing and reducing its emissions in accordance with the Programme requirements. Table 7 provides details of the emission reduction targets to be implemented. These are 'SMART' targets (specific, measurable, achievable, realistic, and time-constrained).

Our initial targets are based on aligning our own ambitions with the expectations of our clients and where we believe we can make a big impact quickly. Future developments of this plan will include more developed targets which will be detailed in our year two report.

This is the base year.

Table 7. Emission reduction targets

Target name	Baseline period	Target date	Type of target (intensity or absolute)	Categories covered	Target		KPI	Responsibility	Rationale
Reduction of Scope 1 and Scope 2 emissions	2021	2025/26	Absolute	Category 1 and 2 combined	To be developed and confirmed at year 2 reporting	To be developed and confirmed at year 2 reporting	Absolute	Ian Wheeler, CSR and Sustainability Manager	Reduction pathway to be developed and confirmed at Year 2 reporting Quick win reduction projects are detailed in table 7.

2.4. EMISSIONS REDUCTION PROJECTS

In order to achieve the reduction targets identified in Table 7, specific projects have been identified to achieve these targets, and are detailed in Table 8 below.

Table 8. Projects to reduce emissions

Objective	Project	Responsibility	Completion date	Potential co-benefits	Potential unintended consequences	Actions to minimise unintended consequence
Reduce shipping/freight emissions.	Review of freight options and transport providers, guidelines for preferential use of those options (Sea freight) wherever possible.	Lauren Ely, Buying Manager	31/03/2023	Reduce operating costs	Potential for late deliveries if process not managed efficiently and product purchased in sufficient quantities / time	Increase frequency of stock review, allocated warehousing sites to member of procurement team.
	Review of product packaging to reduce size, weight, void space and use of plastics.	Martha Wright, Product Manager	Ongoing	Reduce operating costs Reduced embodied emissions Reduced waste to landfill	Non-compliance with medical certification requirements	Start with class 1 products and work towards class 3 products (requiring certification for any changes) over a longer and programmed timeframe.

Objective	Project	Responsibility	Completion date	Potential co-benefits	Potential unintended consequences	Actions to minimise unintended consequence
Reduce company wide use of natural gas	Review utility providers and ensure we are using green, sustainable suppliers. Review equipment used for heating (boilers) at all sites owned by us and ensure it is efficient and maintained effectively.	Ian Wheeler, CSR and Sustainability Manager	31/12/2022	Reduce operating costs	None anticipated	n/a
Reduce emissions from staff travel	Improve staff awareness of travel options and impacts of their decisions. Investigate efficient driving awareness training for company drivers. Investigate introduction of a low emission vehicle purchasing policy. Reward staff who use low emission travel options, including low emission vehicles.	Ian Wheeler, CSR and Sustainability Manager	31/03/2023	Reduce operating costs (vehicle maintenance)	Increase in overall travel costs e.g., train fare more expensive than car mileage. Increase in administrative burden from arranging rail travel	Investigate options for discounted and easily administrated rail travel.

Table 9 highlights emission sources that have been identified for improving source the data quality in future inventories.

Table 9. Projects to improve data quality

Emissions source	Actions to improve data quality	Responsibility	Completion date
Use of natural Gas	Installation of smart meters at all sites Installation of data loggers at all sites with data imported into envisig energy management software	Ian Wheeler, CSR and Sustainability Manager	31/12/2022
Use of electricity	Installation of smart meters at all sites Installation of data loggers at all sites with data imported into envisig energy management software	Ian Wheeler, CSR and Sustainability Manager	31/12/2022
Emissions from Shipping/Freight	Work with buying team and Freight handlers to automate delivery of quarterly environmental reports containing shipment dates, weights and mode of travel. Preference for providers that can provide this data	Malgozata Lis, Procurement and Logistic Specialist	31/12/2022
Staff mileage	Investigate potential to submit mileage claims through Netsuite rather than individual excel expenses claims.	Katie Whiting, Operations Manager	31/03/2023

2.5. STAFF ENGAGEMENT

One of Optimum Medicals Company pledges is that we are 'sustainability conscious' - this theme runs throughout our operations and is engrained in the way we work.

We have a great team of staff who are very sustainability aware and motivated, and who are very proactive in raising potential improvements. We encourage this, and feedback on company initiatives through sustainability updates in the monthly staff email, live updates from the sustainability manager at our company away days (twice annually) and new staff are made aware of and encouraged to engage with our sustainability ambitions at induction. All staff complete environmental awareness training on starting at the company. We also have quarterly staff awards where staff are rewarded for displaying any of the company values.

Our environmental/sustainability performance is discussed at the senior managers meeting and managers (particularly those in charge of operations creating our highest emissions) are required to be actively involved in the management and reduction of these emissions, the results are then disseminated to all staff.

2.6. KEY PERFORMANCE INDICATORS

2.7. MONITORING AND REPORTING

Quarterly monitoring will be carried out and reported to the senior management team. The monitoring will include collation of data and (data permitting) benchmarking against target, and previous years. Managers of the activities will be responsible for providing the data to the CSR and Sustainability Manager, who will be responsible for its upload into emanage. formal reporting will take place twice annually, with informal updates quarterly.

APPENDIX 1: DETAILED GREENHOUSE GAS INVENTORY

Additional inventory details are disclosed in the tables below, and further GHG emissions data is available on the accompanying spreadsheet to this report (Appendix1-Data Summary Optimum Medical Solutions Limited.xls).

Table 10. Direct GHG emissions and removals, quantified separately for each applicable gas

Category	CO ₂	CH ₄	N ₂ O	NF ₃	SF ₆	HFC	PFC	Desflurane	Sevoflurane	Isoflurane	Emissions total (tCO ₂ e)
Stationary combustion	34.42	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.49
Mobile combustion (incl. company owned or leased vehicles)	6.67	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.71
Emissions - Industrial processes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Removals - Industrial processes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Leakage of refrigerants	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Treatment of waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Treatment of wastewater	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions - Land use, land-use change and forestry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Removals - Land use, land-use change and forestry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fertiliser use	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Addition of livestock waste to soils	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Addition of crop residue to soils	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Enteric fermentation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Addition of lime to soils	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Open burning of organic matter	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total net emissions	41.09	0.06	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.20

Table 11. Non-biogenic, biogenic anthropogenic and biogenic non-anthropogenic CO₂ emissions and removals by category

Category	Anthropogenic biogenic CO ₂ emissions	Anthropogenic biogenic (CH ₄ and N ₂ O) emissions (tCO ₂ e)	Non-anthropogenic biogenic (tCO ₂ e)
Category 1: Direct emissions	0.00	0.00	0.00
Category 2: Indirect emissions from imported energy	0.00	0.00	0.00
Category 3: Indirect emissions from transportation	0.00	0.00	0.00
Category 4: Indirect emissions from products used by organisation	0.00	1.46	0.00
Category 5: Indirect emissions associated with the use of products from the organisation	0.00	0.00	0.00
Category 6: Indirect emissions from other sources	0.00	0.00	0.00
Total gross emissions	0.00	1.46	0.00

A1.1 REPORTING BOUNDARIES

A1.1.1 Emission source identification method and significance criteria

The GHG emissions sources included in this inventory are those required for Programme certification and were identified with reference to the methodology described in the GHG Protocol and ISO 14064-1:2018 standards as well as the Programme Technical Requirements.

Personal communications with all Senior Managers and Directors, a review of expenditure, review of assets and site walkarounds.

Significance of emissions sources within the organisational boundaries has been considered in the design of this inventory. The significance criteria used comprise:

- All direct emissions sources that contribute more than 1% of total Category 1 and 2 emissions
- All indirect emissions sources that are required by the Programme

No changes to the significance criteria have been made since this inventory was initially developed in the base year.

A1.1.2 Included sources sinks and activity data management

As adapted from ISO 14064-1, the emissions sources deemed significant for inclusion in this inventory were classified into the following categories:

- **Direct GHG emissions (Category 1):** GHG emissions from sources that are owned or controlled by the company.
- **Indirect GHG emissions (Category 2):** GHG emissions from the generation of purchased electricity, heat and steam consumed by the company.
- **Indirect GHG emissions (Categories 3-6):** GHG emissions that occur as a consequence of the activities of the company but occur from sources not owned or controlled by the company.

Table 12 provides detail on the categories of emissions included in the GHG emissions inventory, an overview of how activity data were collected for each emissions source, and an explanation of any uncertainties or assumptions made based on the source of activity data. Detail on estimated numerical uncertainties are reported in Appendix 1.

All data is gathered centrally by CSR and Sustainability Manager via accounts interaction. The methodology applied for data review is currently being documented.

Table 12. GHG emissions activity data collection methods and inherent uncertainties and assumptions

GHG emissions category	GHG emissions source or sink subcategory	Overview of activity data and evidence	Explanation of uncertainties or assumptions around your data and evidence	Use of default and average emissions factors	Pre-verified data
Category 1: Direct emissions and removals	Stationary combustion	Natural Gas	Assumed data sources are complete and accurate. All source data is derived from smart meter readings.	Both sites will have smart meters by the next reporting period.	None
Overall assessment of uncertainty for Category 1 emissions and removals		2%	Very low		
Category 2: Indirect emissions from imported energy	Imported electricity	Electricity UK (Generation) (2013 Methodology)	Regular meter readings were not available for the base year, however readings were available for 10/10/20 and 07/10/21, so the total use for the year was divided by 4 quarters.	Regular meter readings have been taken since December 2021, and smart meters will be installed by the next reporting period.	None
Overall assessment of uncertainty for Category 2 emissions and removals		4%	Low		
Category 3: Indirect emissions from transportation	Business travel - Transport (non-company owned vehicles)	Car Average (diesel), Car Average (petrol)	All mileages claimed as expenses.	Size of vehicle unknown so use average car value	None
	Upstream and downstream freight - Paid by the organisation	Freight Road all trucks (average)	All data for transactions via NetSuite ERP, kms travelled is determined via online calculators or via GPS reference points to postcode.	Freight is via air, sea and road	None
Overall assessment of uncertainty for Category 3 emissions and removals		12%	Medium		
	Disposal of liquid waste - Not wastewater	Water treatment	Little data was available, readings from Jan 2020 and Jan 2021 were available so were used as indicative of a 'normal' 12-month period and divided by 4 quarters. Regular meter readings now being taken	The most accurate factor options were selected	None
	Transmission of energy (T&D losses)	Electricity UK (T&D losses) (2013 Methodology)	Regular meter readings were not available for the base year, however readings were available for 10/10/20 and 07/10/21, so the total use for the year was divided by 4 quarters.	The most accurate factor options were selected	None

GHG emissions category	GHG emissions source or sink subcategory	Overview of activity data and evidence	Explanation of uncertainties or assumptions around your data and evidence	Use of default and average emissions factors	Pre-verified data
Overall assessment of uncertainty for Category 4 emissions and removals		16%	Medium		

A1.1.3 Excluded emissions sources and sinks

Emissions sources in Table 13 have been identified and excluded from this inventory.

Table 13. GHG emissions sources excluded from the inventory

Business unit	GHG emissions source or sink	GHG emissions category	Reason for exclusion
Optimum Medical	Staff travel (Air)	Category 3: indirect emissions from transportation	No air travel during this period due to Coronavirus Pandemic
Optimum Medical - Tennant Hall	Emissions from working at home	Category 3	No data at this time
Optimum Medical	Business Travel (Hotels)	Category 3	No hotel stays during this period due to Coronavirus Pandemic

A1.2 QUANTIFIED INVENTORY OF EMISSIONS AND REMOVALS

A1.2.1 Calculation methodology

A calculation methodology has been used for quantifying the emissions inventory based on the following calculation approach, unless otherwise stated below:

$$\text{Emissions} = \text{activity data} \times \text{emissions factor}$$

The quantification approach(es) has not changed since the previous measurement period

All emissions were calculated using Toitū emanage with emissions factors and Global Warming Potentials provided by the Programme (see Appendix 1 - data summary.xls). Global Warming Potentials (GWP) from the IPCC fifth assessment report (AR5) are the preferred GWP conversion⁵.

There are systems and procedures in place that will ensure applied quantification methodologies will continue in future GHG emissions inventories.

A1.2.2 Supplementary results

Holdings and transactions in GHG-related financial or contractual instruments such as permits, allowances, verified offsets or other purchased emissions reductions from eligible schemes recognised by the Programme are reported separately here.

A1.2.2.1 CARBON CREDITS AND OFFSETS

No offsets have been purchased for this reporting period

Reason for purchase

N/A

<CONDITIONAL END Carbon credits and offsets>

A1.2.2.2 DOUBLE COUNTING AND DOUBLE OFFSETTING

There are various definitions of double counting or double offsetting. For this report, it refers to:

- Parts of the organisation have been prior offset.
- The same emissions sources have been reported (and offset) in both an organisational inventory and product footprint.

⁵ If emission factors have been derived from recognised publications approved by the programme, which still use earlier GWPs, the emission factors have not been altered from as published.

- Emissions have been included and potentially offset in the GHG emissions inventories of two different organisations, e.g., a company and one of its suppliers/contractors. This is particularly relevant to indirect (Categories 2 and 3) emissions sources.
- Programme approved 'pre-offset' products or services that contribute to the organisation inventory
- The organisation generates renewable electricity, uses or exports the electricity and claims the carbon benefits.
- Emissions reductions are counted as removals in an organisation's GHG emissions inventory and are counted or used as offsets/carbon credits by another organisation.

Double counting / double offsetting has not been included in this inventory.

Details

We have a number of initiatives to offset emissions in different business activities.

Our waste contractor for the warehouse is carbon neutral.

We use delivery partners who are carbon neutral or industry leading in terms of sustainable practice.

We pay a set amount per order for any order made through our online shop to offset the delivery emissions (Shopify Planet)

APPENDIX 2: SIGNIFICANCE CRITERIA USED

Table 14. Significance criteria used for identifying inclusion of indirect emissions

Emission source	Magnitude	Level of influence	Risk or opportunity	Sector specific guidance	Outsourced	Employee engagement	Intended Use and Users	Include in inventory?
Freight Air travel long haul (average)	Yes	Yes	Opportunity	Yes	No	Yes	Yes	Yes
Freight Shipping container (average)	Yes	Yes	Opportunity	Yes	No	Yes	Yes	Yes
Freight Road all trucks (average)	Yes	Yes	Opportunity	Yes	No	Yes	Yes	Yes
Car Average (unknown fuel type)	Yes	Yes	Opportunity	Yes	No	Yes	Yes	Yes
Car Average (unknown fuel type) Commuting	Yes	Yes	Opportunity	Yes	No	Yes	Yes	Yes
Waste disposal Mixed municipal waste	Yes	Yes	Opportunity	Yes	No	Yes	Yes	Yes
Car Average (petrol)	Yes	Yes	Opportunity	Yes	No	Yes	Yes	Yes
Waste to landfill	Yes	Yes	Opportunity	Yes	No	Yes	Yes	Yes
Electricity UK (T&D losses) (2013 Methodology)	Yes	Yes	Opportunity	Yes	No	Yes	Yes	Yes
Water supply	Yes	Yes	Opportunity	Yes	No	Yes	Yes	Yes
Water treatment	Yes	Yes	Opportunity	Yes	No	Yes	Yes	Yes

APPENDIX 3: CERTIFICATION MARK USE

We do not currently use the certification mark; however, we intend to use it on our website and on our social media channels.

APPENDIX 4: REFERENCES

International Organization for Standardization, 2018. ISO 14064-1:2018. Greenhouse gases – Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals. ISO: Geneva, Switzerland.

World Resources Institute and World Business Council for Sustainable Development, 2004 (revised). The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard. WBCSD: Geneva, Switzerland.

World Resources Institute and World Business Council for Sustainable Development, 2015 (revised). The Greenhouse Gas Protocol: Scope 2 Guidance. An amendment to the GHG Protocol Corporate Standard. WBCSD: Geneva, Switzerland.

APPENDIX 5: REPORTING INDEX

This report template aligns with ISO 14064-1:2018 and meet Toitū Carbon Reduce Programme Organisation Technical Requirements. The following table cross references the requirements against the relevant section(s) of this report.

Section of this report	ISO 14064-1:2018 clause	Organisational Technical Requirement rule
Cover page	9.3.1 b, c, r 9.3.2 d,	TR8.2, TR8.3
Availability	9.2 g	
Chapter 1: Emissions Inventory Report		
1.1. Introduction	9.3.2 a	
1.2. Emissions inventory results	9.3.1 f, h, j 9.3.3	TR4.14, TR4.16, TR4.17
1.3. Organisational context	9.3.1 a	
1.3.1. Organisation description	9.3.1 a	
1.3.2. Statement of intent		TR4.2
1.3.3. Person responsible	9.3.1 b	
1.3.4. Reporting period	9.3.1 l	TR5.1, TR5.8
1.3.5. Organisational boundary and consolidation approach	9.3.1.d	TR4.3, TR4.5, TR4.7, TR4.11
1.3.6. Excluded business units		
Chapter 2: Emissions Management and Reduction Report		
2.1. Emissions reduction results	9.3.1 f, h, j, k 9.3.2 j, k	TR4.14, TR6.18
2.2. Significant emissions sources		
2.3. Emissions reduction targets		TR6.1, TR6.2, TR6.4, TR6.6, TR6.8,
2.4. Emissions reduction projects	9.3.2 b	TR6.8, TR6.11, TR6.12, TR6.13, TR6.14, TR6.15
2.5. Staff engagement		TR6.1, TR6.9
2.6. Key performance indicators		TR6.19
2.7. Monitoring and reporting	9.3.2 h	TR6.2
Appendix 1: Detailed greenhouse gas inventory	9.3.1 f, g	TR4.9, TR4.15
A1.1 Reporting boundaries		
A1.1.1 Emission source identification method and significance criteria	9.3.1 e	TR4.12, TR4.13
A1.1.2 Included emissions sources and activity data collection	9.3.1 p, q 9.3.2 i	TR5.4, TR5.6, TR5.17, TR5.18,
A1.1.3 Excluded emissions sources and sinks	9.3.1 i	TR5.21, TR5.22, TR5.23
A1.2 Quantified inventory of emissions and removals		
A1.2.1 Calculation methodology	9.3.1 m, n, o, t	
A1.2.2 Historical recalculations		
A1.2.3 GHG Storage and Liabilities		
A1.2.3.1 GHG stocks held on site		TR4.18
A1.2.3.2 Land-use liabilities	9.3.3.	TR4.19
A1.2.4 Supplementary results		
A1.2.4.1 Carbon credits and offsets	9.3.3.3	

Section of this report	ISO 14064-1:2018 clause	Organisational Technical Requirement rule
A1.2.4.2 Purchased or developed reduction or removal enhancement projects	9.3.2 c	
A1.2.4.3 Double counting and double offsetting		
Appendix 2: Significance criteria used	9.3.1.e	TR4.12
Appendix 3: Certification mark use		TR3.6
Appendix 4: References		
Appendix 5: Reporting index		