

Playfords Ltd Emissions Management Report

01 Jan 2024 – 31 Dec 2024

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PLAYFORDS

An introduction to Playfords Ltd

Playfords Ltd (Playfords) is a leading Building Services Contractor with 100 years of experience and expertise in the fields of electrical & mechanical services, voice & data cabling and audio visual & IT networking – the complete solution for all buildings M&E services installations.

In response to the pressing global challenge of climate change, Playfords is committed to achieving Net Zero emissions by 2050.

Playfords is committed to sustainable building services, focusing on energy-efficient M&E solutions, low-carbon technologies, and responsible sourcing. As such, Playfords has engaged in the following project to calculate, report, and identify opportunities to reduce its greenhouse gas (GHG) emissions.

This report details the results of Playfords' baseline GHG inventory, which quantified GHG emissions across the reporting period of 01 Jan 2024 – 31 Dec 2024. Also documented is Playfords' long-term strategy to monitor, manage, and minimise its environmental impact in alignment with achieving its ambitious Net Zero commitment.

This report was prepared with the support of Ecologi to ensure that emissions were quantified in alignment with the [Greenhouse Gas Protocol Corporate Accounting and Reporting Standard](#) and supplementary [Corporate Value Chain \(Scope 3\) Standard](#).

Ecologi

Ecologi is a leading climate action platform specialising in emissions measurement, reduction, and reporting, as well as helping businesses fund high impact, high integrity climate solutions. Ecologi equips businesses with the expertise and tools to curate and implement emissions reduction strategies on their journey to net zero.





2024 Emissions Management Report

Methodology

Playfords were responsible for the internal management controls governing the collection and entry of data for processing. The subsequent emissions calculations and this report were generated with the support of Ecologi in accordance with the [Greenhouse Gas Protocol Corporate Accounting and Reporting Standard](#) and supplementary [Corporate Value Chain \(Scope 3\) Standard](#).

Emissions have been calculated using the appropriate UK emission conversion factors published annually by the UK government, Department for Energy Security and Net Zero (DESNZ). These are supplemented by emissions factors from Small World Consulting's environmentally extended MRIO dataset, used for spend-based emissions calculations. The methodology for homeworking emissions aligns with Anthesis' published in their 2021 White Paper.

Reported emissions figures are expressed as tonnes of carbon dioxide equivalent (tCO₂e) and include GHG

emissions from all seven GHGs named by the Kyoto Protocol: CO₂, N₂O, CH₄, HFCs, PFCs, SF₆ and NF₃.

The GHG inventory assesses emissions for the reporting period 01 Jan 2024 – 31 Dec 2024. This is the first year for which a GHG inventory has been compiled by Playfords and, therefore, constitutes its base year – the reference point against which all future emissions reductions will be measured.

The operational boundary of Playfords' emissions included in the GHG inventory on the page overleaf covers the mandatory quantification of Scopes 1 and 2. Scope 3 emissions include those materially relevant to Playfords' operations.

Playfords is committed to iterating on the quality of data and scope of its GHG inventory to develop a more accurate reflection of value chain emissions, in the hope of driving supplier engagement and emissions reduction efforts.

Greenhouse Gas Inventory – 01 Jan 2024 – 31 Dec 2024

Scope	Emissions	Total (tCO ₂ e)
Scope 1	Stationary combustion	2.23
	Mobile combustion	152.21
	Process emissions	0.00
	Fugitive emissions	0.00
	Total - Scope 1	154.44
Scope 2	Purchased electricity (market-based)	0.40
	Purchased electricity (location-based)	8.92
	Purchased steam, heating cooling	0.00
	Total - Scope 2 (market-based)	0.40

Scope	Emissions	Total (tCO ₂ e)
Scope 3 *	Purchased goods and services	3015.85
	Capital goods	0.00
	Fuel- and energy-related activities	40.58
	Upstream transportation and distribution	0.51
	Waste generated in operations	0.3
	Business travel	72.56
	Employee commuting (including homeworking)	46.11
	Upstream leased assets	77.18
	Downstream transportation and distribution	0.00
	Investments	0.00
	Total - Scope 3	3253.09
Total		3407.93

* Scope 3 categories reported on include those covered by the assessment only.

Total Emissions

3407.93 tCO₂e

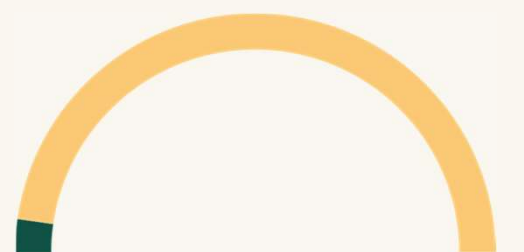
Revenue emissions intensity

237.50 tCO₂e
per £1m revenue

FTE emissions intensity

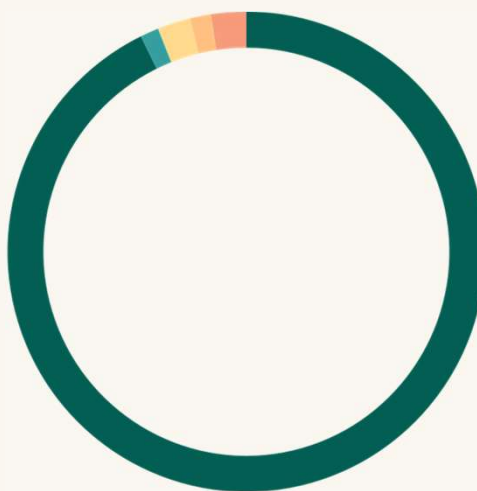
56.80 tCO₂e
per FTE

2024 Scope breakdown



● Scope 1	154.44 tCO ₂ e
● Scope 2	0.40 tCO ₂ e
● Scope 3	3407.91 tCO ₂ e

Scope 3 emissions by category

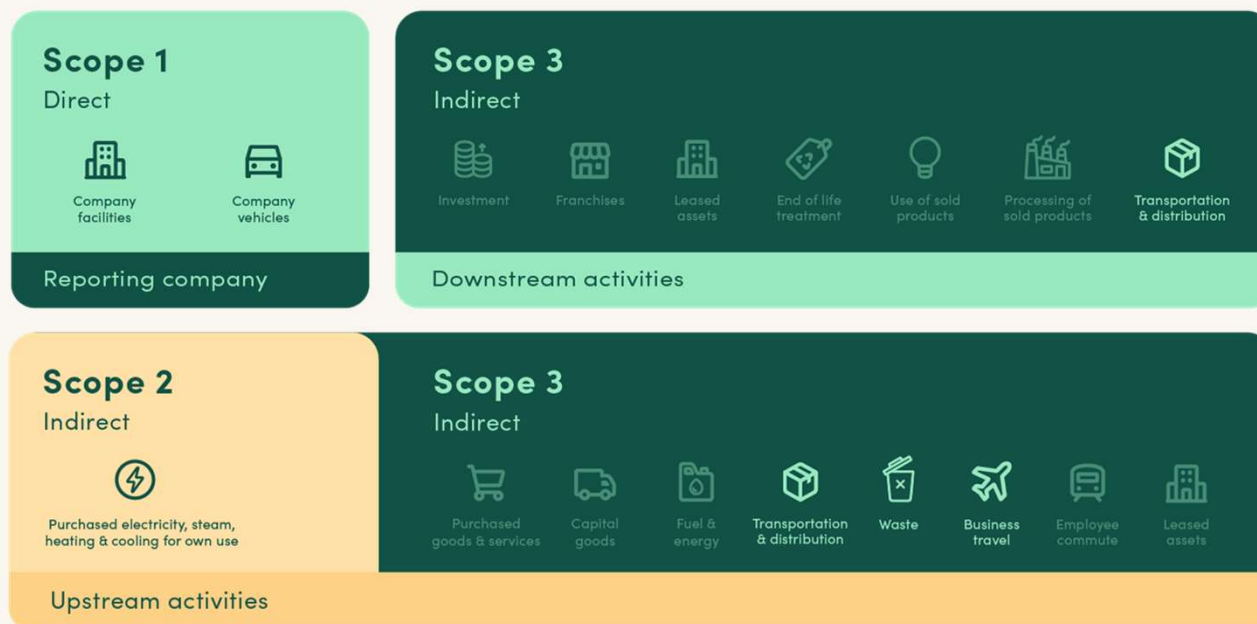


● Purchased goods and services	3015.85 tCO ₂ e
● Capital goods	0.00 tCO ₂ e
● Fuel- and energy-related activities	40.58 tCO ₂ e
● Upstream transportation and distribution	0.51 tCO ₂ e
● Waste generated in operations	0.3 tCO ₂ e
● Business travel	72.56 tCO ₂ e
● Employee commuting (including homeworking)	46.11 tCO ₂ e
● Upstream leased assets	77.18 tCO ₂ e
● Downstream transportation and distribution	0.00 tCO ₂ e
● Investments	0.00 tCO ₂ e

Scope and subject matter

The boundary of the report includes all UK-based operations during the reporting period. The following energy and GHG sources are included and quantified in the inventory, following an operational control approach¹ and are categorised within the relevant Scope, as prescribed by the GHG Protocol.

Scope 3 emissions include those determined relevant to Playfords' operations.



Scope 1

Emissions from the company's facilities, fleets and activities that they own or control.

Playfords operates a hybrid working environment with two offices, one owned in Cambridge and one leased in London. Playfords also operate a fleet of vans alongside several business vehicles.

Scope 2

Emissions resulting from the consumption of energy purchased from suppliers for the company's activities.

Playfords installed an air source heat pump and a 40kW photovoltaic solar array which have altered its electricity consumption. Its electricity supply is also on a green tariff.

¹ A company has operational control over an operation if it, or one of its subsidiaries, has the full authority to introduce and implement its operating policies at the operation. Under the operational control approach, a company accounts for 100% of emissions from operations where it has operational control.

Scope 3

Emissions resulting from all other indirect activities that occur in the company's value chain, both upstream and downstream.

Purchased goods and services

An initial spend-based screening was conducted to ensure a complete assessment of Playfords value chain emissions was captured. This data also provides insight to identify hotspots and opportunities for the refinement of data quality. Due to limited availability of supplier specific data, supply chain emissions were primarily calculated using this spend-based approach, matching financial data to the emissions factor for the relevant industry of the activity, or good/service purchased.

Industry emissions factor (tCO₂e per £spend) x Transaction cost (£)

Capital goods

The purchase of capital goods was included within the spend-based screening outlined above. The screening identified a number of opportunities to iterate on data quality. In most instances, product specific data wasn't available and so Capital Goods have been accounted for within Purchased Goods and Services. Playfords maintain a capital goods asset registry, identifying laptops as the primary purchases. It's valuable that Playfords continue to monitor capital goods purchases moving forward to ensure they can generate the most accurate footprint possible.

Product Life Cycle Assessment (tCO₂e per per unit) X Number of units purchased

Fuel- and energy related activities

Upstream emissions of extraction and delivery of fuels and electricity were included within the boundary of the footprint assessment.

Well-to-tank/T&D emissions factor (tCO₂e per tonnes, litres, kWh, km) x Energy consumption (tonnes, litres, kWh) or distance traveled (km)

Scope 3 continued

Upstream transportation
and distribution

No distance data relating to shipment purchases was available, so a spend-based screening was performed where purchasing information on logistics providers was available. This may under report on shipping given that the cost of shipping is often included within the invoice of an item.

Industry emissions factor (tCO₂e per £spend) x Transaction cost (£)

Waste generated in
operations

Waste invoices have been used to determine volumes of waste generated and the appropriate method of disposal.

Waste emissions factor (tCO₂e per tonne/m³) x Waste volume (tonne/m³)

Business travel

A hybrid approach was adopted for calculating business travel emissions, using spend-based figures to ensure completeness and supplementing with activity data where appropriate to enhance data quality and accuracy. Emissions sources included within the boundary of operations were hotel stays and 3rd party car, rail, and bus travel.

Transport emissions factor (tCO₂e per passenger.km) x (Number of passengers x distance (km))

Hotel emissions factor (tCO₂e per room.night) x ∑(Number of nights per room booking)

Industry emissions factor (tCO₂e per £spend) x Transaction cost (£)

Scope 3 continued

Employee commuting and home working

Playfords operate a hybrid remote structure. A staff survey has been conducted since september to better monitor remote working and has been used to calculate commuting emissions and homeworking emissions. Prior to this data, is based on estimated behaviour.

Incremental energy consumption emissions factor (kgCO₂e per day worked from home) x Number of days working from home

Upstream leased assets

Upstream leased assets were identified within the spend-based screening. The attributed emissions are calculating using spend data.

Industry emissions factor (kgCO₂e per £spend) x Transaction cost (£)

Downstream transportation and distribution

Playfords provide customers with engineering services and therefore no downstream transportation and distribution activities occur or are reported within this GHG inventory.

Shipping method emissions factor (kgCO₂e per tonne.km) x (Shipment weight (tonnes) x distance of shipment (km))

Investments

No investments to disclose or that were identified within the spend-based screening.

Industry emissions factor (kgCO₂e per £spend) x Transaction cost (£)

Emissions management



The following environmental management measures are already in place and are an indication of Playfords commitment to positive action.



Energy efficiency and building improvements

Playfords has removed gas heating and installed an efficient, centrally managed HVAC system for heating and cooling. The building has undergone a comprehensive upgrade, including LED lighting throughout, efficient glazing, and full roof void insulation. Playfords also transitioned to a green electricity tariff via British Gas Lite and installed a 40kW solar PV system to generate renewable electricity and reduce reliance on the grid. Playfords has placed all of its IT services within the cloud and removed on-site servers, significantly reducing electricity and cooling needs.



Low carbon transport and mobility

Playfords has enhanced its zero-emission company car scheme, offering staff a broader range of electric vehicles. In addition, Playfords introduced an EV salary sacrifice scheme, making it more accessible for employees to choose electric vehicles and contribute to lowering transport-related emissions across the business.



Carbon data management

Playfords has adopted Ecologi as its carbon accounting partner whose software platform enables us to accurately track and manage emissions in one centralised system.



Supply chain engagement and purchasing

As part of its commitment to sustainability, Playfords is streamlining its supply chain to partner with environmentally conscious suppliers who can provide the data it needs to support emissions tracking. Playfords also prioritises the procurement of durable, high-quality equipment to extend product life cycles and reduce waste.



Flexible working

Playfords Agile Working policy empowers employees to work flexibly—remotely or in hybrid mode—based on their roles and responsibilities. All staff are equipped with tools to access cloud-based systems, ensuring productivity while reducing commuting needs. Playfords use Microsoft Teams as the default for virtual meetings to minimise travel-related emissions.

Climate action plan

The following strategy outlines further decarbonisation interventions that are contributing to Playfords roadmap for positive change. Specific reference is given to emissions hotspots and priority areas identified within the emissions inventory published above. Interventions include both short and long-term actions dedicated to the pursuit of positive change.

1

Energy efficiency and building improvements

Playfords office has undergone significant upgrades already, which will be supplemented with additional improvements including: replacing remaining inefficient glazing, reviewing existing insulation for further enhancement, and upgrading lighting systems with centralised DALI control for greater efficiency.

2

Low carbon transport and mobility

Playfords will further its commitments around low carbon transport by offering only zero-emission vehicles through its company car scheme from January 2026.

Playfords will continue assessing the suitability of electric vans for field service, recognising that current range and infrastructure limitations present operational challenges. As technology evolves, Playfords will reassess opportunities to transition more of its fleet to electric.

3 Carbon data management

Playfords will continue to refine its data collection process to improve the accuracy of its emissions footprint by: considering ways to centralise business data such as travel expenses; improve internal management of expense data to support emissions calculations; supplement spend-based analysis with activity-based analysis for key areas of purchasing.

4 Supply chain engagement and purchasing

Going forward, Playfords will further develop systems to request emissions data during procurement and identify low-carbon suppliers as preferred partners. Capital purchases will also be assessed on a case-by-case basis with emissions impact in mind.

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard and use the appropriate Government emission conversion factors for greenhouse gas company reporting.

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

Signed on behalf of Playfords Ltd



James Tuohy
Managing Director

Date: 1st May 2025