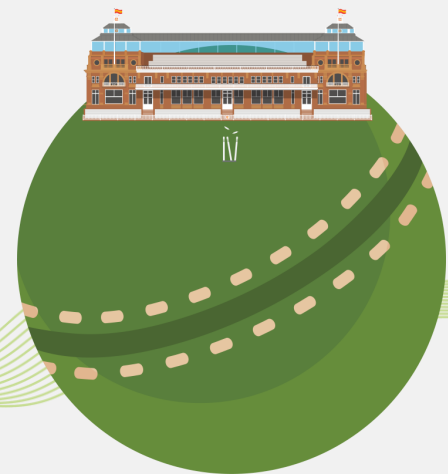




# LORD'S CRICKET GROUND - MARYLEBONE CRICKET CLUB

*Carbon Impact Report 2023*





# OVERVIEW



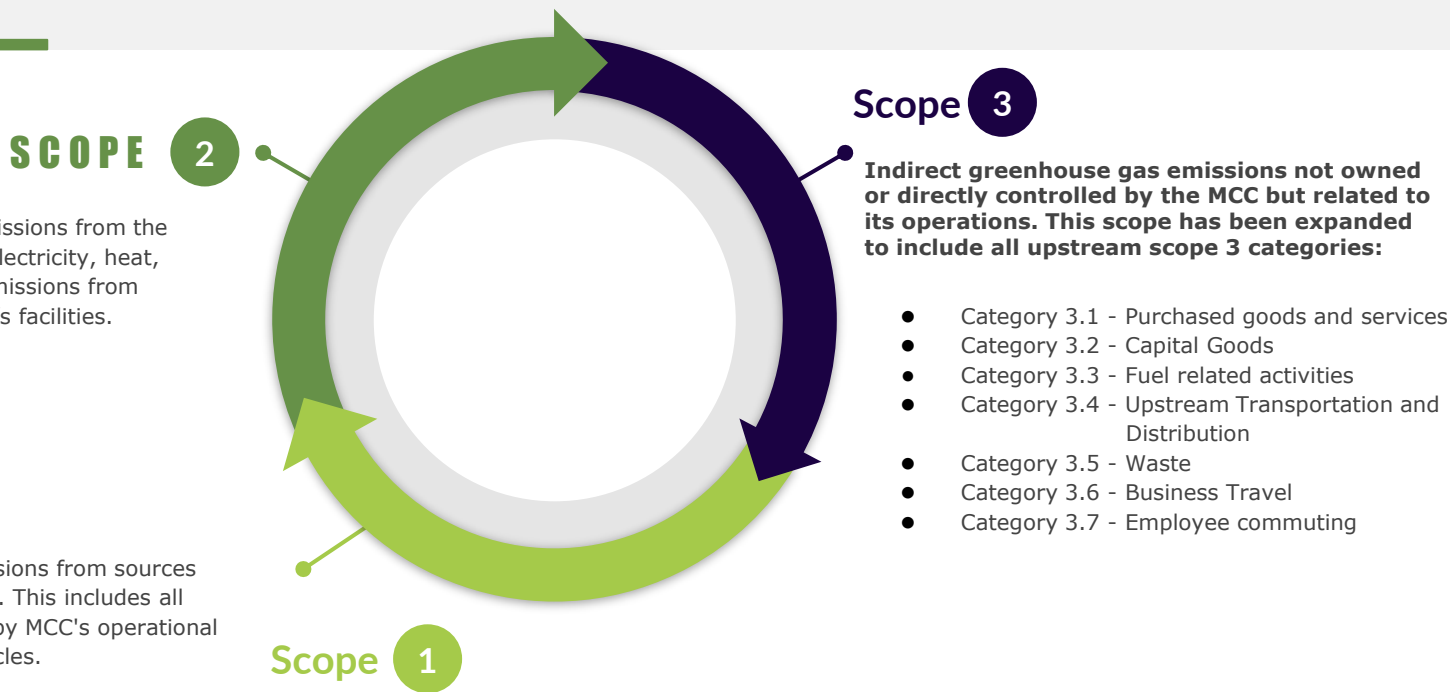
**This report highlights Marylebone Cricket Club's (MCC) continuous dedication to environmental sustainability and carbon reduction. It was developed alongside the Club's carbon consultant, Net Zero Group. It is a crucial part of our broader strategic effort to integrate and advocate for sustainability throughout the Club and at Lord's Cricket Ground.**

This updated carbon footprinting report establishes a new baseline for scope 1 emissions, reflecting the inclusion of ground maintenance and company fleet vehicles in our carbon footprint. Additionally, the report introduces a baseline measurement for scope 3 emissions, encompassing all assessed upstream categories.

In 2023, MCC made significant strides towards achieving its Net Zero goals by expanding carbon reporting and intensifying efforts to reduce emissions beyond the ambitions set in 2022. These efforts were recognised by various sustainability award nominations and a win at the Business of Cricket Awards, where the English and Wales Cricket Board awarded MCC the Sustainability Campaign of the Year award, showcasing that MCC continues to lead in environmental sustainability within the cricket community.



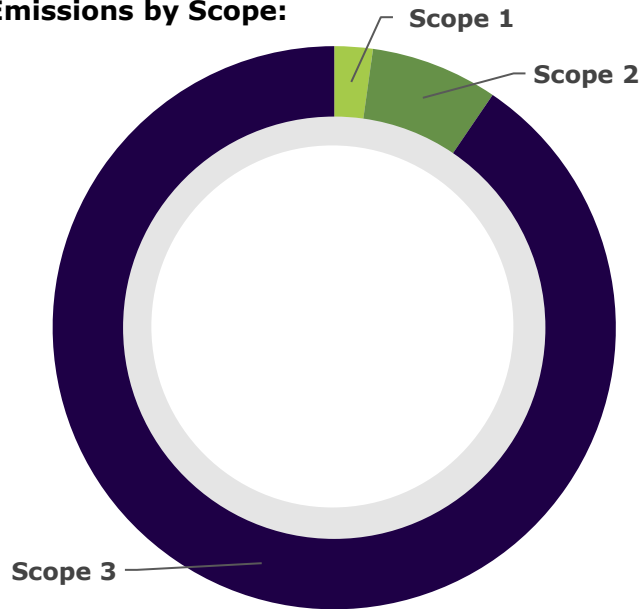
# IN SCOPE





# MCC EMISSIONS BREAKDOWN

Proportion of Emissions by Scope:



Carbon Emissions	Total	Percent
Scope	tCO <sub>2</sub> e	%
Scope 1	275.09	2.2
Scope 2 - location-based	926.40	7.3
Scope 2 - market-based	0*	-
Scope 3	11,552.86	90.4
<b>Total tCO<sub>2</sub>eq. (location-based scope 2 emissions)**</b>	<b>12,754.35</b>	<b>-**</b>
<b>Total tCO<sub>2</sub>eq. Per £m turnover</b>	<b>188.0</b>	<b>-</b>
<b>Total tCO<sub>2</sub>eq. Per FTE</b>	<b>60.7</b>	<b>-</b>

\*Market-based emissions were reported as zero as MCC worked with Amber Energy to purchase a zero-greenhouse-gas electricity tariff.

\*\*Location-based scope 2 emissions have been included to align with SECR guidance

\*\*\*Percentages do not add to 100.0% exactly due to rounding each percentage to 1dp.



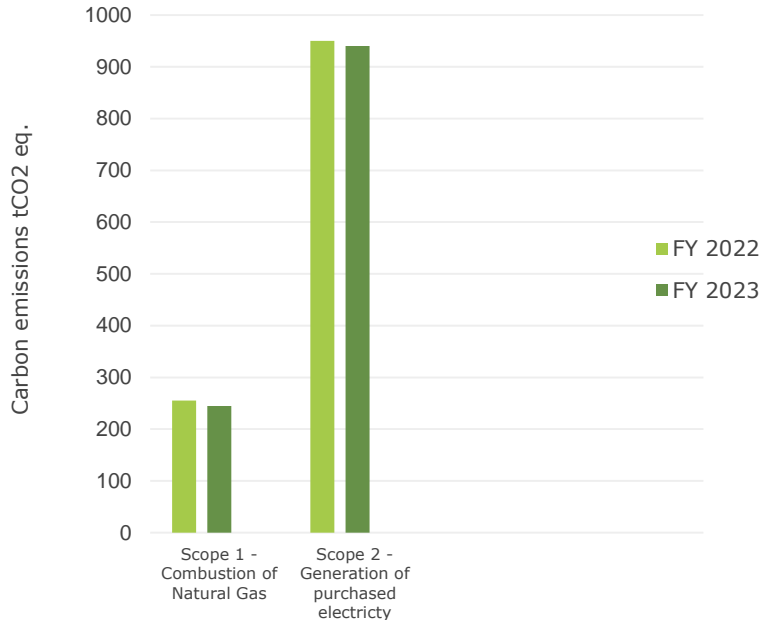
# SCOPE 1 and 2



- Scope 1 has been re-baselined in 2023, due to the inclusion of grounds maintenance and company-operated fleet vehicles.
- The baseline for Scope 2 emissions, will continue to be 2022, given the consistency in methodologies and data.
- The MCC procure a zero-greenhouse gas energy contract, allowing scope 2 market-based emissions to be reported as zero.
- However, location-based emissions have been reported following Streamlined Energy and Carbon Reporting (SECR) guidance and will continue to be monitored as we are dedicated to reducing the electricity consumption at Lord's.

Source of Energy/emissions		Energy consumption MWh		GHG Emissions (tCO <sub>2</sub> eq.)	
		2022	2023	2022	2023
Scope 1	Combustion of Natural Gas	1,521.66	1456.14	277.76	266.13
Scope 1	Combustion of fuel in company operated vehicles	-	23.72	-	5.32
Scope 1	Grounds Maintenance vehicles	-	16.25	-	3.64
Scope 1	<b>Total</b>	<b>1,521.66</b>	<b>1496.11</b>	<b>277.76</b>	<b>275.09</b>
Scope 2	Market-based	4,957.05	4,605.64	0	0
Scope 2	Location-based	4,957.05	4,605.64	958.59	926.40
Scope 2	<b>Total (location-based scope 2)</b>	<b>4,957.05</b>	<b>4,605.64</b>	<b>958.59</b>	<b>926.40</b>
Scope 1 and 2	<b>Total (location-based scope 2)</b>	<b>6,491.86</b>	<b>6,101.75</b>	<b>1,236.35</b>	<b>1,201.49</b>

# NATURAL GAS AND ELECTRICITY YoY COMPARIION



This chart presents MCC's year-on-year change in carbon emissions associated with billed meter readings of natural gas and electricity consumption between 2022 and 2023. The Club also takes readings from our extensive sub-metered Building Management Systems, which are used across the cricket season, but for this report, calendar-year billed readings are displayed.

## Electricity Usage:

- MCC has successfully reduced electricity carbon emissions by 3.3% from 2022 to 2023.
- This reduction equates to a saving of 32.2 tonnes of carbon equivalent emissions.

## Natural Gas Usage:

- MCC has decreased natural gas emissions in 2023 compared to 2022 by 4.2%. This equals 11 tonnes of carbon equivalent emissions reduced



# SCOPE 3 SUMMARY



GHG Protocol category	Carbon Emissions	Total	Proportion of scope 3
Number	Scope 3 Upstream Category	tCO <sub>2</sub> e	%
3.1 and 3.2	Purchased goods and services and Capital Goods	<b>10,410.5</b>	<b>90.1%</b>
3.3	Fuel Related activities	<b>356.2</b>	<b>3.1%</b>
3.4	Upstream Transportation and Distribution	<b>420.7</b>	<b>3.6%</b>
3.5	Waste disposal	<b>13.7</b>	<b>0.1%</b>
3.6	Business travel	<b>255.2</b>	<b>2.0%</b>
3.7	Employee Commuting	<b>96.5</b>	<b>0.8%</b>
<b>Scope 3 Total</b>		<b>11,552.9</b>	<b>-</b>

- The majority of MCC's scope 3 emissions stem from the purchased goods and services and capital goods category. This is not unusual for an organisation like MCC, and this is partly due to the building works undergone in 2023.
- Spend-based methods have been used in this footprint due to data availability. This will be reassessed for 2024 reporting.
- MCC member travel for fixtures and tours has been excluded from the footprint. However, this will be reassessed in 2024 reporting.
- Employee commuting has been measured using average data for London. This will be reassessed for 2024 reporting.

# ACHIEVEMENTS AND CARBON REDUCTION PROGRESS



**MCC has made significant steps to increase the reporting of carbon emissions and continue the drive to reduce the Cub's emissions in 2023 and into 2024.**

**MCC's targets for emissions reductions and Net Zero are:**

- To achieve net zero for scopes 1 and 2 by 2030, if not earlier.
- To reach net zero by 2040, if not earlier.

**In 2023, the Club expanded to report all upstream scope 3 categories in this report, which is beyond the ambition outlined in the Journey to Net Zero Report released in 2023. It is important to note that MCC member travel has been excluded from this report and will aim to be included in 2024 and reported as a separate category.**

**To date, we have:**

- Established a baseline for upstream scope 3 emissions categories.
- Upgraded company-operated vehicles to a hybrid.
- Recycled 51% of waste compared to 17% in 2022.
- Purchased two new fully electric lawnmowers.
- Installed new practice wickets on the Nursery Ground made from natural coconut fibres, which can be 100% recycled.
- Converted the Nursery Pavilion to electric heating/cooling, removed gas from kitchens and removed the diesel storage tank.
- Diverted 100% of waste from landfill.
- Worked alongside the Running Out of Time Relay and the University of Reading to host a leg of the relay race at Lord's.
- Reduced water consumption by 15.5% compared to the previous year.
- Worked in collaboration with Loughborough University to produce a research paper on Renewable Energy and Battery Potential at Lord's as part of the Sustainable Sports Business MSc.
- Converted the floodlights at Lord's Ground to LEDs, becoming the first major international venue to do so.
- Installed a building management system (BMS) in 80% of Lord's Cricket Ground, allowing greater analysis of energy consumption and more precise identification of reduction actions across the ground.
- Launched a pilot of the Fan Footprint Calculator and successfully engaged over 300 fans in the measurement of their carbon footprint. The Fan Footprint Calculator also helps fans discover simple ways to live a low-carbon lifestyle.



# ACHIEVEMENTS – SUSTAINABILITY CAMPAIGN OF THE YEAR



**The ECB awarded MCC the Sustainability Campaign of the Year at the annual Business of Cricket Awards (BOCA) for their 'Journey to Net Zero Report' and energy reductions.**

Robert Ebdon, MCC's Estates Director said:  
*"Winning this award is a testament to the incredibly hard work put in by numerous individuals across our Estates team, whose dedication ensured that we were able to massively exceed our target energy reduction at a time when energy costs have soared."*





# CARBON MANAGEMENT NEXT STEPS

## Increasing measurement accuracy and scope:

- Strive for activity data where possible for the 2024 Carbon Impact Report, with a focus on hotspot scope 3 categories.
- Collect data to report category 9 downstream transportation and distribution, including fan travel.
- Collect activity-based employee commuting data to be reported in 2024.
- Investigate expanding reporting to include other downstream categories in 2024.

## Four areas to focus reduction efforts have been targeted:

- **Supply chain engagement:** MCC is striving to engage suppliers on carbon reporting and encourage more ambitious action. Work with Net Zero Group to develop a supply engagement carbon scanner.
- **Electricity consumption:** Building management system installation for the remainder of Lord's.  
Explore voltage optimisation solutions.  
LED and automatic lighting installation.  
Electrification of grounds maintenance equipment.
- **Reduce dependence on fossil fuels:** Continue with MCC's degasification programme, primarily by continuing to progress the removal of Gas-use appliances where possible.
- **Behaviour changes and education efforts:** Implement behaviour change and staff education to ensure consistent habits within MCC's workforce.



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**FUTURE**

