



The Worshipful Company of Constructors

Carbon Reduction Plan

Issued	02.03.2023
Edited	Steffan Raw-Rees Rob Beales Paul Sheedy Derek Farrow
Signed off by:	David Sheehan

INTRODUCTION

The Livery Companies are working together to prepare a combined response to the challenges of climate change in the form of individual **Livery Company Action Plans**.

This document complements the City of London Climate Action Strategy which was itself written to support the Paris Agreement on Climate Change (2015) and the obligation enshrined into Law by The UK Climate Change Act (2019).

We, The Worshipful Company of Constructors (WCC), believe that climate change is a major threat to the world's future sustainability and the social and economic wellbeing of its citizens.

The Lord Mayor and the City of London Corporation have committed to a Climate Action Strategy for 2020-2027 which has three aims:

- 1. To support the achievement of net zero carbon emissions***
- 2. To build climate resilience***
- 3. To champion sustainable growth***

We share the Lord Mayor and Corporation's vision of a responsible, sustainable and competitive City of London. We commit to helping to achieve the goals and targets in the City's Climate Action Strategy.

We believe that to reduce the impact of climate change effectively, the interdependent targets that define sustainable cities and communities as set out in the UN's Sustainable Development Goals, which are aligned with the City's Climate Action Strategy, must also be delivered.

The initiative was led by the WCC's Climate Action Committee (CAC) and by the Court and the Master.

The next step would be for the WCC CAC to develop an implementation plan. This process will be managed through the Chair of the Company's Climate Action Committee.

Carbon Reduction Plan

Supplier name: Worshipful Company of Constructors

Publication date: 2nd March 2023

Commitment to achieving Net Zero

The Worshipful Company of Constructors is committed to achieving Net Zero emissions by 2024.

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

Baseline Year: 2021 – 2022

Additional Details relating to the Baseline Emissions calculations.

2021 is the first year that a baseline has been produced for. As the WCC is non-hall owning company, scopes 1 and 2 are not used. The baseline has been calculated using:

- [The Climate Care Calculator](#) for Meals, Business Travel and Business Travel Accommodation.
- [The Heart of the City Carbon Calculator](#) for Employees Working from Home and Purchased Goods & Services.

Scope 3 emissions for Water and Waste from Operations are not used due to the WCC being a non-hall owning company.

The WCC's Chair of the Charitable Fund has confirmed that Scope 3 emissions related to Investments are not applicable as all WCC investments are within 'ESG Funds' and have been confirmed as such by the Companies External Investment Manager and reviewed and approved by the Charitable Fund and The Master.

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For the purpose of calculating a 2021 baseline in absent of specific data, several assumptions had to be made. These include:

- 1/3 of meals provided at dinners and lunches are vegetarian
- 80% of members and guests travel by train to Company and City functions, with an average train journey of 50 miles
- 80% of members use their petrol car to the station with an average car journey of 5 miles
- 20% of members use a taxi to travel to events with an average journey of 50 miles
- 10% of members stay overnight at dinner

Baseline year emissions: 2021 - 2022

EMISSIONS	TOTAL (tCO ₂ e)																		
Scope 1	0																		
Scope 2	0																		
Scope 3 (Included Sources)	23.05 Our Scope 3 emissions breakdown is as follows: <table border="1" data-bbox="491 1227 1428 1720"> <thead> <tr> <th>Subsets</th><th>Tonnes CO₂e</th></tr> </thead> <tbody> <tr> <td>Meals</td><td>2.04</td></tr> <tr> <td>Business Travel</td><td>9.71</td></tr> <tr> <td>Business Travel Accommodation</td><td>1.70</td></tr> <tr> <td>Employees Working from Home</td><td>3.24</td></tr> <tr> <td>Water</td><td>0</td></tr> <tr> <td>Waste from Operations</td><td>0</td></tr> <tr> <td>Purchased Good & Services</td><td>6.36</td></tr> <tr> <td>Investments</td><td>0</td></tr> </tbody> </table>	Subsets	Tonnes CO ₂ e	Meals	2.04	Business Travel	9.71	Business Travel Accommodation	1.70	Employees Working from Home	3.24	Water	0	Waste from Operations	0	Purchased Good & Services	6.36	Investments	0
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Investments	0																		
Total Emissions	23.05																		

Current Emissions Reporting

Reporting Year: 2022 - 2023		
EMISSIONS	TOTAL (tCO ₂ e)	
Scope 1	0	
Scope 2	0	
Scope 3 (Included Sources)	To be reported at the end of 2023	
	Subsets	Tonnes CO ₂ e
	Meals	
	Business Travel	
	Business Travel Accommodation	
	Employees Working from Home	
	Water	
	Waste from Operations	
	Purchased Good & Services	
	Investments	
Total Emissions	To be reported at the end of 2023	

Emissions reduction targets

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets. A check list will be developed in collaboration with the Clerk in order to be able to ask key questions when selecting a venue and working with suppliers for company events.

Item	Guidance on areas of opportunity	Commitments	Solution
Section 1 - To support the achievement of net zero carbon emissions:			
➤	Reducing direct and indirect carbon emissions wherever possible	Set out a road map and milestones for reductions. Regularly review progress and share good practice within the Livery Climate Action Group (LCAG)	Pay to offset the annual baseline carbon emissions. Potential to merge with LCAG. Offset carbon emissions by carrying out volunteering/pro bono work.
➤	Assess the energy efficiency of hired venues	Work collaboratively with Landlords and Tenants to adopt best available technologies, identify how the demand for energy use can be reduced and efficiency improved.	Request to review the Landlord's Climate Action Plan and ask whether they are a member of LCAG. Review Landlord's Environmental Management System and Controls.
➤	Review purchasing, events, dinners, merchandising and other activities	Identify opportunities for using fewer, more sustainable and less carbon intensive products.	Review ISO 20121:2012 – Event sustainability management systems – Requirements with guidance for use. Review food supplies, procurement and food safety (product tracing already legislated for). Joiners pack to become electronic.
➤	Strengthen requirements on and engagement with suppliers	Build low carbon, resilient and circular supply chains. Embed principles of the circular economy into everything WCC do in terms of construction, procurement and reuse of materials, and supply chains.	Review events hire and online alternatives. Review suppliers' employment conditions, safety, minimum wage (Sustainable procurement).
➤	Review waste policies and practises to increase re-use and recycling	Aim to achieve zero waste to landfill.	Set out resource and waste management. Carry out a review of any applicable waste management, recycling or pollution considerations for events hire.

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➤	Reducing per capita water consumption and wastewater discharges	Review hired event's utility supply Electric / Gas / Water and that it has a plan to switch to renewable supply.	LCAG to consider producing a dashboard to compare all Livery Companies energy and water consumption. Thames Water Smarter-Business visit
➤	Review the travel needs and modes of WCC's employees, members and visitors	Identifying and encouraging sustainable transport modes.	Use sustainable travel where possible. Capture members' travel date. Minimise members staying over nights in hotels.
Section 2 – To build climate resilience:			
➤	Embed resilience measures into any upgrade plans for operated buildings	N/A – non-hall owning	N/A – non-hall owning
➤	Reduce the risk of flooding	N/A – non-hall owning	N/A – non-hall owning
➤	Building climate resilience into all decisions and activities	Consider how to mitigate and adapt to the effects of climate change such as storms, temperature extremes and flooding.	Engage with hall owning companies to provide guidance on Internet of Things/smart technology/retrofit and decarbonisation.
Section 3.0 – To champion sustainable growth:			
➤	Reviewing investment portfolio(s)	Consider Environmental, Social and Governance good practice Align with the Paris Agreement on climate change.	Review all appropriate investments to ensure they are ESG related. Make Considerations in support of 'Sustainable Finance' Confirm that any Carbon Offsets are 'High Quality' status
➤	Value the importance of green spaces and urban greening as natural carbon sinks, and their contribution to biodiversity and overall wellbeing	Support other organisations to green their premises where possible.	Carry out wellness surveys. Review the venues' air quality, air cleaners, filtration, and openable windows. Sign up and support Pollinating London and City Gardens.
➤	Increase charitable engagement with schools, universities, college, and other stakeholders	Promote knowledge and research about sustainability and climate change.	Have an effective communications plan with an ESG focus (Supply Chain Sustainability Group, Better Buildings Partnership and Skills for a Sustainable Skyline).

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➤	Draw on the expertise of WCC members	Make publicly available learning and best practice on standards, tools, platforms and expertise to facilitate sustainable development.	Engaged WCC's expertise in networks that can encourage positive change to support these Global Goals.
➤	Encourage and inspire WCC members and networks	Follow WCC's lead within their own organisations and activities.	Have representation and participates in the Inter livery ESG Committee (Construction Liveries Group). Identify members who can support these Goals with expertise, information, and influence but most of all enthusiasm.

As a non-hall owning Livery Company, our annual emissions will remain to be relatively small. As Constructors, we are resolute in that it is our ability to influence, within our industry and our networks that has the most material significance to support the achievement of our Climate Action Aims and Objectives and it is therefore this area, that we as Constructors, will focus our efforts.

Five Task Groups have been formalised by the CAC to deliver the aims and objectives of the Committee. These WCC CAC Task Groups are listed below.

- Climate Action Committee Governance (Core Group)
- Task Group 1 Climate Action Plan
- Task Group 2 Supporting LCAG.
- Task Group 3 Climate Action Scholarships & Skills
- Task Group 4 Industry Influence
- Task Group 5 Engagement and Impact Reporting

Each Task-Group (TG) will be managed in accordance with the WCC CAC Terms of Reference and will report progress to the core Climate Action Committee in accordance with annual Court timescales and requirements.

WCC have identified an appropriate platform to pay to offset annual carbon emissions and possibly in collaboration with LCAG.

Progress against these targets will be reported within a Carbon Reduction Dashboard and Checklist to clearly show the Projected vs Actual carbon reduction.

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with the Livery Climate Action Group (LCAG) [Property Guidance Note](#).

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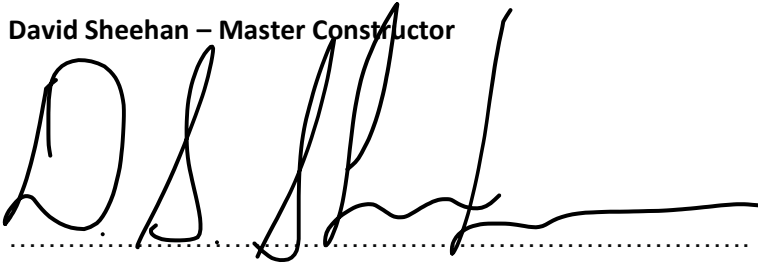
Emissions have been reported and recorded in accordance with the

Scope 3 emissions have been reported in accordance with [The Climate Care Calculator](#) and [The Heart of the City Carbon Calculator](#).

This Carbon Reduction Plan has been reviewed and signed off by the WCC Master and Court.

Signed on behalf of the Worshipful Company of Constructors:

David Sheehan – Master Constructor

A handwritten signature in black ink, appearing to be 'D. Sheehan', written over a horizontal dotted line.

Date: 5thMay 2023