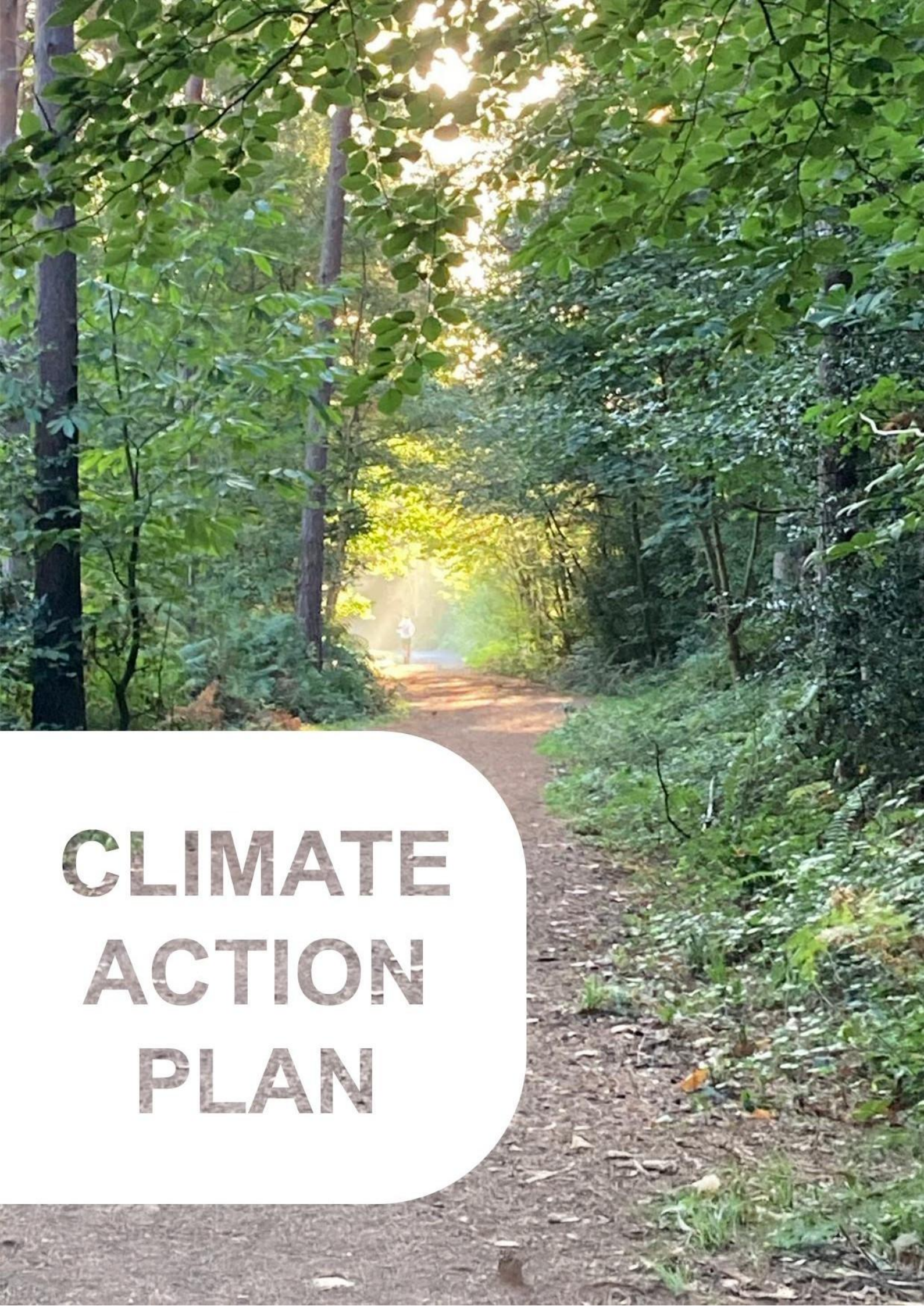




CLIMATE ACTION PLAN

THE WORSHIPFUL COMPANY OF FAN MAKERS
Climate Action Plan



THE WORSHIPFUL COMPANY OF FAN MAKERS
CLIMATE AND BIODIVERSITY ACTION COMMITTEE
Climate Action Plan - Issue version 04

Introduction

The Worshipful Company of Fan Makers (WCFM) recognise the impacts that climate change is having on the world. Whilst our Livery Company is without halls, the range of activities and therefore positive influence that our members can have is significant, through the arts and craft of handheld fans to the application of modern fan technology.

In 2024 global temperatures averaged 1.5 degrees Celsius above pre-industrial levels resulting in widespread disruption to both nature and humanity in almost every way imaginable. The Worshipful Company of Fan Makers have a very diverse membership, and our members have been active in many sectors and a predominant involvement in the built environment sector and the associated supply chains which currently make up 40% of the world's carbon emissions, and if left unchecked are predicted to double by 2050.

This Climate Action Plan has been developed to capture these activities whilst considering the Commitments, Disclosures, Actions, Verification and Advocacy needed, in line with the values of the Worshipful Company of Fan Makers.

Background

The UK Climate Change Act 2008 was amended in 2019 with the long-term target amended to Net Zero greenhouse gas emissions by 2050, to reflect the increased ambition of the 2015 UN Paris Agreement and wider updates to the evidence base on tackling climate change.

In October 2020 the City of London Corporation published its Climate Action Strategy for 2020-27 including an intention for the Square Mile to achieve net zero emissions by 2040.

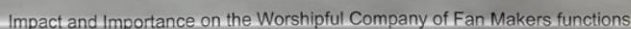
The Livery Climate Action Group (LCAG) was formed in 2021 to assist City of London Livery Companies and Guilds to manage their impact on climate change and the environment by reducing greenhouse gas emissions and making responsible use of resources. Founder and chair Alderman Alison Gowman CBE actively encourages all to participate for maximum impact.

We joined the LCAG in August 2023 and have consulted with the available resources including other Livery Companies exemplars in producing this detailed Climate Action Plan.

Development of the Plan

Our Climate & Biodiversity action Committee (CBAC) was formed in September 2023 to create positive change through research, investigation, engagement, dialogue and leadership.

We undertook a Materiality Exercise in August 2024 which examined the most impactful and important topics to pursue internally within the membership activities and externally for people and the environment.



1. **Operational carbon** and the facilities we use
2. **Social value** through the charities and educational work we do
3. **Leadership and advocacy** through our schools, institutions and affiliations
4. **Setting an example** through our sustainable practices

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Our commitments

The LCAG website provides guidance on how to establish and build a Livery Climate Action Plan. This is a long-term requirement of LCAG membership. The WCFM have followed this guidance to create this plan and have consulted widely in doing so.

The resultant WCFM Climate Action Plan is set out in this document, which comprises the following sections: -

WCFM Climate Action Commitment, Aims and Objectives

WCFM Climate Action Strategy

WCFM Carbon Baseline Measurement

WCFM Climate Action Commitment, Aims and Objectives

The Lord Mayor and the City of London Corporation have committed to a Climate Action Strategy for 2020-2027 which has three primary 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 aims and objectives in the City's Climate Action Strategy.

Our purpose

We developed our purpose which aligns with the Worshipful Company of Fan Makers values:-

To create positive change by harnessing our creativity, energy, expertise, knowledge and influence.

Our mission

To maximise the contribution we can make as Fan Makers commensurate with the scale of the crises to: -

- the **City** of London
- our **Company** (including Committees)
- our **Community**

Accordingly, our Company is committed to establishing a Climate Action Plan to work towards reducing its impact on the environment and will encourage its stakeholders and associated networks to do the same.

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WCFM Climate Action Strategy

As a non-hall owning Livery Company, and in line with the agreed LCAG carbon baselining and measuring methodologies, our annual emissions have been calculated to be relatively small, around 32 Tonnes CO₂ equivalent per annum. The detail of this is set out in Section 3 of this Plan. We are committed to find ways to reduce our annual carbon footprint.

It is our ability to influence, within our affiliations and networks and our strong focus on positive social value that have the most material significance to support the achievement of our Climate & Biodiversity Action Aims and Objectives and it is therefore this area, that we will focus our efforts.

Set up of task groups

- Our plan
- Our impact
- Our social value
- Our engagement including supporting LCAG as follows

Oversight of plan			All
Coordination of activities			All
Leadership & advocacy			All
Our Plan	Our Impact	Our Social Value	Engagement
Develop the Climate & Biodiversity Action Plan	Measurement of our carbon footprint – Scope 1,2 and 3	Develop a focused community approach	Develop an engagement strategy
Review other Livery Co plans - Climate Action Plans - Livery Climate Action Group Reporting Draft outline plan (see attached)	Data collection Annual summaries Benchmarking Initiatives Calculating your Company's Carbon Footprint - Livery Climate Action Group Heart of the City Carbon Calculator - Heart of the City	Through charities Through education Involvement with LCAG Involvement with Pollinating London Together	With LCAG With Industry Through membership Through affiliations Via events etc

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WCFM Task Group	Outline Strategy	Proposed actions and deliverables
CBAC	Governance & oversight of plan	
	Coordination of activities	
	Leadership & advocacy	Affiliate organisations (see connections diagram) Application of fan technology Sharing knowledge Institutions e.g. CIBSE Schools Involvement in City of London Plans Industry - leveraging
Our Plan	Develop the Climate & Biodiversity Action Plan	Water consumption
		Waste management
		Sustainable food choices
		Sustainable transport
		Sustainable materials
		Supplier engagement
		Correspondence/paper etc
Our Impact	Measurement of our carbon footprint – Scope 1,2 and 3	Operational carbon
		Facilities we use
Our Social Value	Develop a focused community approach	Charities and volunteering
		Bursaries and support initiatives
		Pollinating London Together
	Aligned with climate and biodiversity	CIBSE

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		Schools
		Skills & training - apprenticeships
	Nature/biodiversity	Saddlers Hall
Our Engagement	Develop an engagement strategy	Engage with the Livery Climate Action Group (LCAG) to share knowledge, targets and progress.
		Liaise with the other Fan Maker Committees to encourage the agreed sustainable principles are adopted through all areas of the Company's activities for maximum positive impact, advocacy and leadership.
		Opportunities for increased profile and knowledge sharing
		Committee & membership
		Meeting formats

WCFM Carbon Baseline Measurement

To support achievement of 'Net Zero Carbon Emissions' and address climate change we must first measure and understand the scale of current WCFM activity through our Scope 1,2 and 3 emissions.

LCAG have agreed on the methodology for these baselining calculations, bearing in mind the nature of the Liveries movement and the 'SME' status of the organisations involved. Baseline emissions measurements are a record of the greenhouse gases (GHG) that have been produced in a given period 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, in later years.

LCAG have confirmed for non-hall owning Companies such as WCFM the following:-

- GHG Protocol Scope 1 (fossil fuel burning) and Scope 2 emissions (purchased electricity) are not applicable, and not to be used within the Baseline Calculation for non-hall owning companies
- GHG Protocol Scope 3 emissions for Water and Waste from Operations are not applicable and not to be used within the Baseline Calculation for non-hall owning companies

The WCFM Charitable Funds have been assumed at this time for Scope 3 emissions related to Investments are not applicable as all WCFM investments are within 'ESG Funds'. This assumption will need to be tested in the next iteration of this analysis.

For the purpose of calculating our carbon baseline we have surveyed our Livery members and received a good response with each identifying their travel arrangements associated with the WCFM's business and social activities. This has been converted into carbon consumption based on recognised carbon emission rates for each type of travel, private vehicle, public transport, air, etc.. The data collected from the respondents to our survey have been treated as a representative sample, averaged and multiplied to give a best estimate for the WCFM carbon emissions associated with the Company's business and social activity.

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Baseline year emissions		
Data using the calculation methodology agreed by CAG		
Emissions	Total (tCO ₂ e)	
Scope 1	0	
Scope 2	0	
Scope 3 (Included sources)	32.8 Tonnes CO ₂ e (Total)	
	Scope 3 emissions breakdown as follows	
	Subsets	Tonnes CO ₂ e
	Meals	Excluded as per LCAG
	Business travel	Included
	Business travel accommodation	0
	Employees working from home	0
	Water	Excluded as per LCAG
	Waste from operations	Excluded as per LCAG
	Purchased goods and services	Excluded as per LCAG
	Investments	Assumed as ESG compliant to be reviewed during ongoing process.
Total emissions	(Total)	32.8 Tonnes CO ₂ e

This Baseline Emissions Calculation will be used to determine to Carbon Reduction measures that will be implemented going forwards.

This Climate Action Plan has been prepared by the WCFM Climate & Biodiversity Action Committee and has been reviewed and authorised by Peter Anderson, Chair

Issued	04
Status	For issue
Authors	Climate & Biodiversity Action Committee
Authorised by Peter Anderson – Committee Chairman 	Dinesh Naidu – Master 

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Carbon Model Summary



Data Collection for Identification of Carbon Emissions

The Company of Fan Makers
Climate And Biodiversity Action Committee

Aggregated Footprint



Data Collection for Identification of Carbon Emissions

The Company of Fan Makers

Climate And Biodiversity Action Committee

Aggregated Footprint

	Court Meeting				Dinners/Banquets				Charity				Event				Special			
	Private Vehicle	Taxi/Uber	Public Transport	Air	Private Vehicle	Taxi/Uber	Public Transport	Air	Private Vehicle	Taxi/Uber	Public Transport	Air	Private Vehicle	Taxi/Uber	Public Transport	Air	Private Vehicle	Taxi/Uber	Public Transport	Air
Return Trip = 0	0	0	4213.8	0	27	219	8107.5	0	0	360	2753.25	300	671.1	0	1200	90	27	117	2017.95	802.5
	0.0	0.0	247.9	0.0	1.6	12.9	476.9	0.0	0.0	21.2	162.0	17.6	39.5	0.0	70.6	5.3	1.6	6.9	118.7	47.2
kg/mile	0.310	0.195	0.100	0.500	0.310	0.195	0.100	0.500	0.310	0.195	0.100	0.500	0.310	0.195	0.100	0.500	0.310	0.195	0.100	0.500
Carbon Emmission	0.000	0.000	24.787	0.000	0.492	2.512	47.691	0.000	0.000	4.129	16.196	8.824	12.238	0.000	7.059	2.647	0.492	1.342	11.870	23.603
Average per Liveryman 163.882 kg/annum																				
The Worshipful Company of Fan Makers has		200		Liverymen and Frremen																
The Worshipful Company of Fan Makers has an annual carbon emmission of		32,776.482 kg/annum																		

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Data Collection for Identification of Carbon Emissions

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Assumption

50% of Uber/Taxi is electric therefore 310g/mile plus 80g/mile gives 195g/mile

Flying for 1 hour emits 250kg, 1 hour flying covers around 500 miles. Therefore 250kg divided by 500 miles indicates a 500g/mile emission/

Source

Source = Carbon Independent.org
<https://www.carbonindependent.org/17.html>

Size	Average mpg	gCO ₂ per mile*
Small, medium, large, city and estate cars	52	280
MPVs and small & medium SUVs	46	310
Sports cars and large SUVs	35	410

BBC Science Magazine

https://www.google.com/url?sa=t&source=web&rct=j&opi=89978449&url=https://www.sciencefocus.com/science/what-is-the-co2-per-mile-for-electric-cars-charged-from-the-mains%23%3A~text%3DRoughly%2520speaking%252C%2520in%2520the%2520UK,for%2520the%2520average%2520petrol%2520car.&ved=2ahUKEwikoernsLmMAxVkt0EAHX_GO7cQFnoECBwQAw&usq=AOvVaw2_6Q36qWqqRJGyqqKDa9-4

There are many variables to consider. Roughly speaking, in the UK, an electric car charged from the mains currently emits roughly 80g of CO₂ per mile, compared to 216g CO₂ per mile for the average petrol car.

Source = Carbon Independent.org
<https://www.carbonindependent.org/21.html>

The calculator uses a figure of 100 g/mile CO₂.

Source = Carbon Independent.org
<https://www.carbonindependent.org/22.html>

250 kg i.e. 1/4 tonne CO₂ equivalent per passenger per hour flying