



event:decision
track

post event track report

Enable LC Battersea Park Fireworks 2023

host organisation: Enable LC for Wandsworth Borough Council

event date: 4-5 November 2022

event: Battersea Park Fireworks

location: Battersea Park, London

date of assessment: 21 November 2023



your track report

results

shows the total estimated carbon footprint associated with your event, by event function.

benchmark

displays your event carbon footprint, represented by number of delegates or sqm. of booth, when compared with other similar measurements delivered by event:decision.

mitigation recommendations & offset

shows you the effect of changing variables over which you have some control and the financial liability for offset, where appropriate.

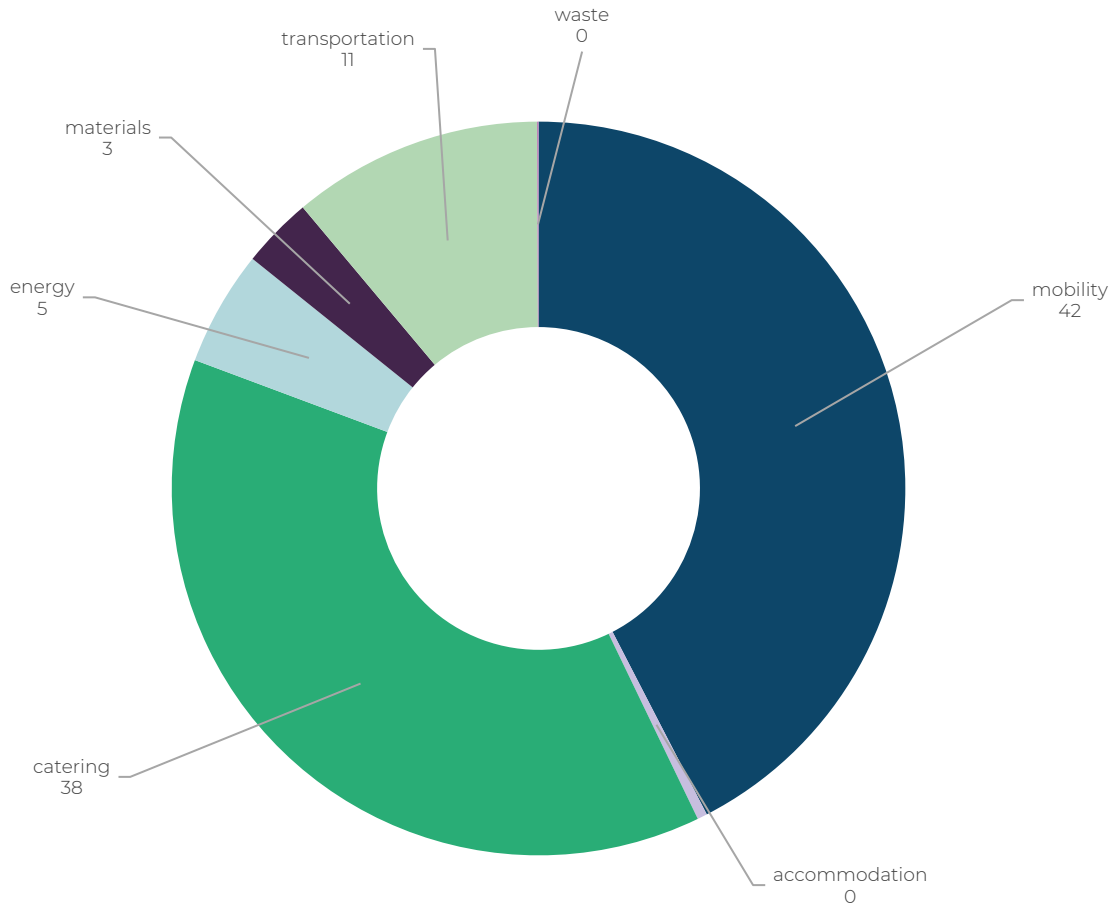
brief

- post-event data shared via Enable LC.
- where data incomplete, meaningful estimates and proxies including by extrapolation have been used.
- includes visitor travel mode data (distance estimated), audience proportions provided Enable LC.
- visitor food & beverage based on estimated consumption, working on 20% vegetarian and 80% non-vegetarian.
- energy consumed based on generator output specified, running at 75% capacity, estimated running time.
- re-useable, recyclable and single use materials as detailed or estimated.
- recyclable & residual waste based on waste capacity ordered.
- emissions directly related to fireworks are offset at source.
- bonfire fuel is considered carbon-neutral under IPCC guidance. Transport to site stated weight of wood is included in calculations.



total breakdown of emissions

total tonnes CO₂e calculated: 234.58 tCO₂e



	actuals CO ₂ e	%
mobility	99.50	42
accommodation	1.02	0
catering	88.76	38
energy	11.91	5
materials	7.33	3
transportation	25.90	11
waste	0.16	0

boundaries:

event duration (days), delegates (where applicable), staff, event area (sqm.)

travel: guest, crew and staffing travel by mode (air, private vehicle, public transport) and distance.

accommodation: hotel nights for guests, build crew or stand staffing, by star-rating.

catering: includes number of meals (non-vegetarian, vegetarian, vegan) consumed by guests, crew, build staff for duration of event.

energy: actual consumption as estimated or measured by venue (kWh)

materials: printed matter, plastics, recyclable materials and other materials used in stand build & deliver

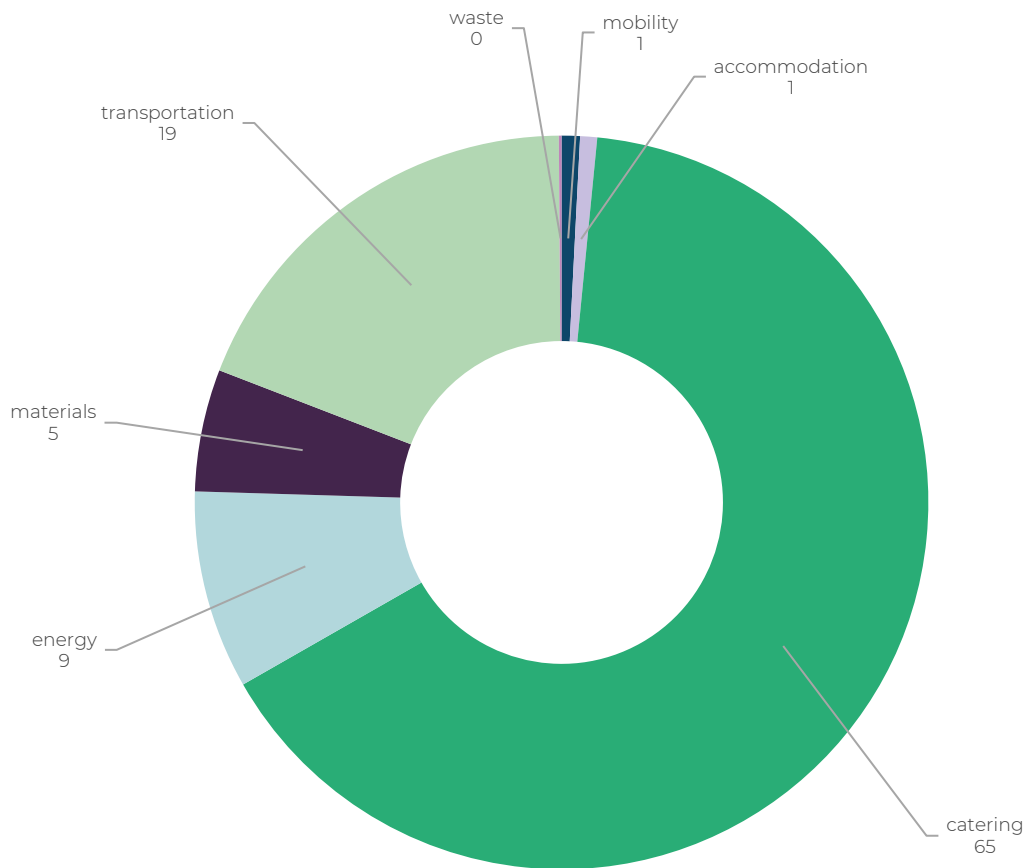
transportation: transported weight of infrastructure, AV, materials, furniture and other stand-based items, distance and mode of transportation.

waste: recyclable and residual waste

breakdown of emissions

EXCLUDING VISITOR TRAVEL

tonnes CO₂e calculated: 136.18 tCO₂e



	actuals CO ₂ e	%
mobility	1.10	1
accommodation	1.02	1
catering	88.76	65
energy	11.91	9
materials	7.33	5
transportation	25.90	19
waste	0.16	0

boundaries:

- event** duration (days), delegates (where applicable), staff, event area (sqm.)
- travel:** guest, crew and staffing travel by mode (air, private vehicle, public transport) and distance.
- accommodation:** hotel nights for guests, build crew or stand staffing, by star-rating.
- catering:** includes number of meals (non-vegetarian, vegetarian, vegan) consumed by guests, crew, build staff for duration of event.
- energy:** actual consumption as estimated or measured by venue (kWh)
- materials:** printed matter, plastics, recyclable materials and other materials used in stand build & deliver
- transportation:** transported weight of infrastructure, AV, materials, furniture and other stand-based items, distance and mode of transportation.
- waste:** recyclable and residual waste

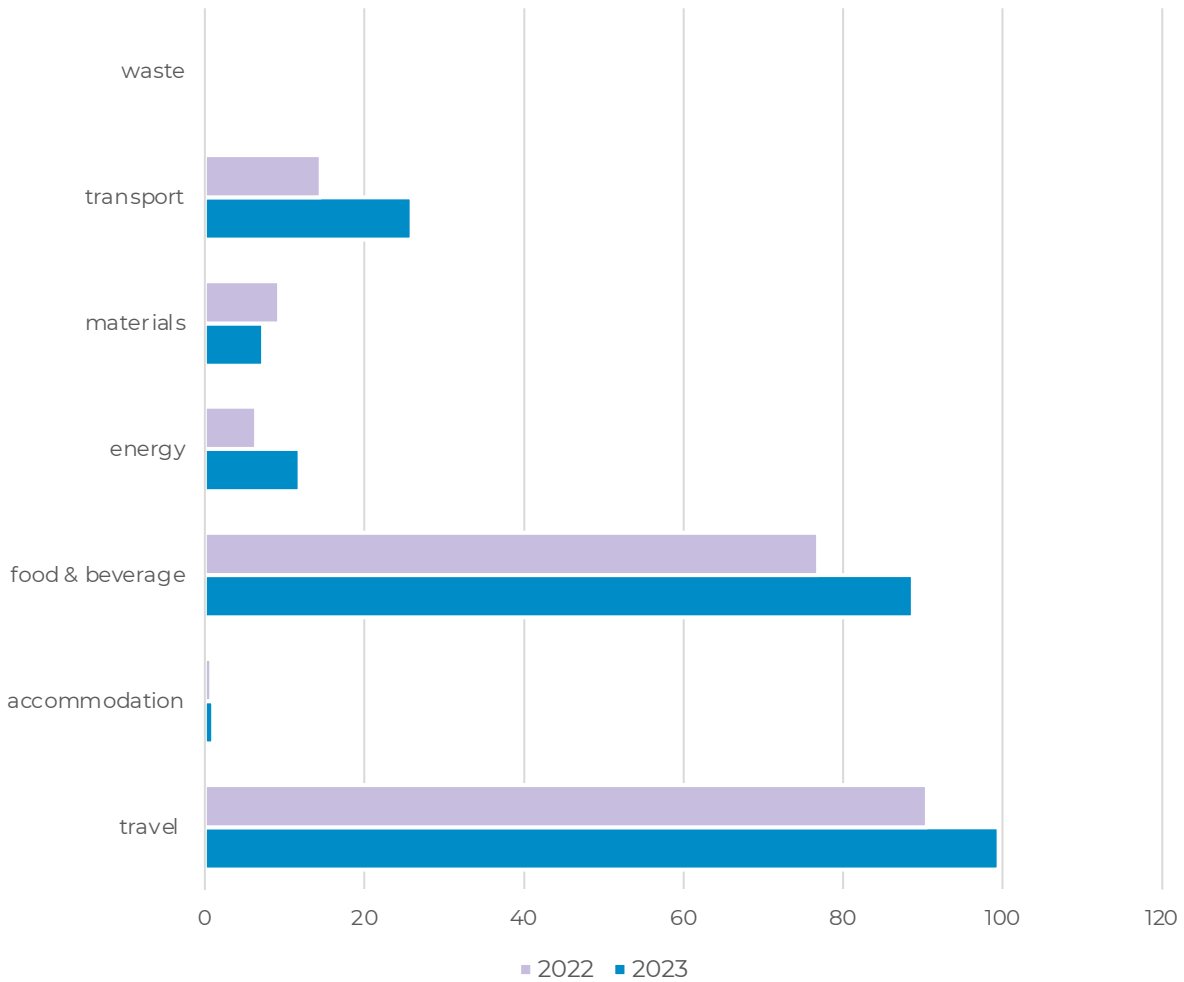


comparison of emissions

Battersea Park Fireworks 2023

2022 vs. 2023

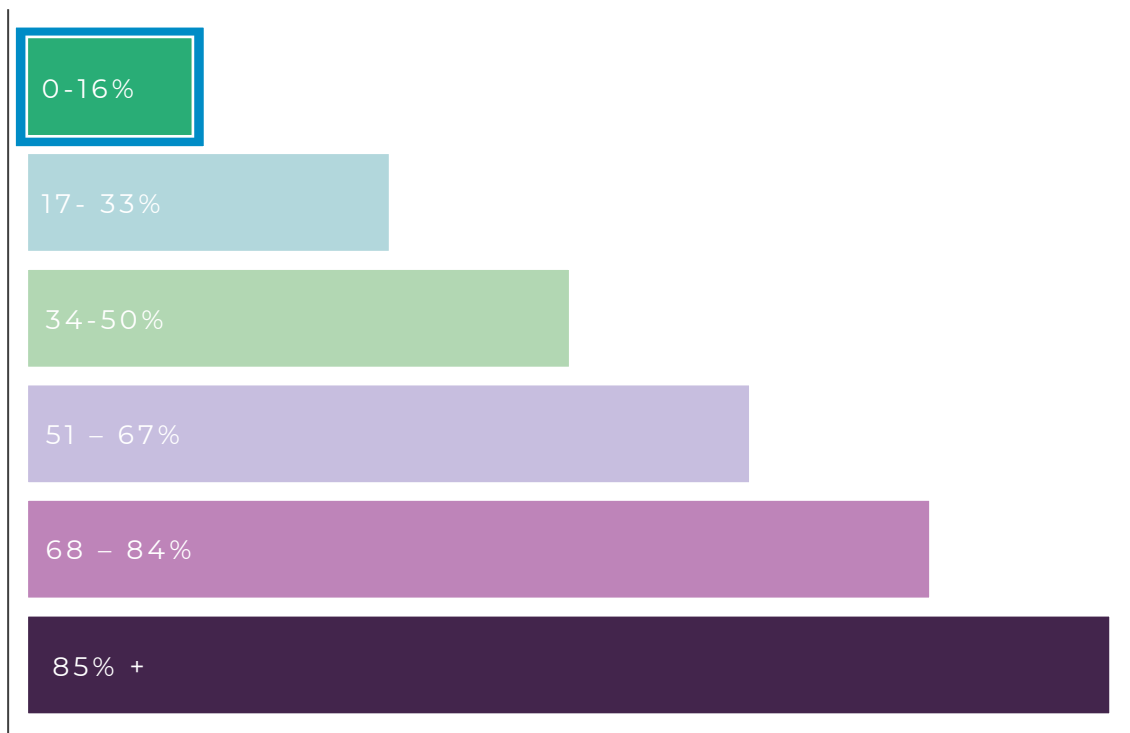
overall absolute increase of 18.0%



2022	actuals tCO2e	%	2023	actuals tCO2e	%
travel	90.50	46	travel	99.50	42
accommodation	0.80	0	accommodation	1.02	0
food & beverage	76.86	39	food & beverage	88.76	38
energy	6.39	3	energy	11.91	5
materials	9.29	5	materials	7.33	3
transport	14.53	7	transport	25.90	11
waste	0.11	0	waste	0.16	0



Illustration of **Battersea Park Fireworks 2023**, carbon footprint:
tCO₂e per delegate, based on 98,133 persons
234.58 tCO₂e = 0.002 tCO₂e per person



at this level, **Battersea Park Fireworks 2023** is within the **2nd percentile** of **conference format events** measured by event:decision, on a **per-delegate** basis.

based on calculations conducted by event:decision from Mar 2021 – present for comparison purposes only.

data above should be used for illustrative purposes only, not for ESG audit or offset reporting. Total event data includes events from 50 to 140,000 delegates in virtual, hybrid and in-person event formats at a local, regional and global level, with stand-builds from 6sqm. to 200sqm.



mitigation

recommendations for future mitigation:

travel

the majority of visitors to Battersea Park for Fireworks weekend travel on foot or via public transport. This is as a function of the format of the event. Mobility of visitors represents the single largest factor in relation to event emissions despite this, due to the volume of those attending. It is challenging to suggest a viable and practical solution to reduce this element significantly.

food & beverage

you may wish to consider increasing or only offering vegetarian food at the event. As an illustration if all the food offered onsite was vegetarian (all other factors remaining unchanged) the food & beverage emissions would be reduced by 55% and the overall event footprint could be reduced by c. 21%. We appreciate that this may be challenging given visitor preferences and may change over time.

power

consider using renewable or more sustainable temporary power solutions. Fully renewable power, if achievable, could reduce the overall event footprint by up to 5%.

transport

consider sourcing local suppliers, where possible. If all material & equipment supply travelled <100km transport-related emissions could be reduced by <48% and the overall footprint could be reduced by <6%.

overall

although absolute emissions for the event have increased YOY, due to the additional number of visitors in 2023 the emissions intensity per visitor has remained consistent.

offset

you may choose to offer offset solutions via event:decision, or via a channel within your agency or organisation. Please contact event:decision for a menu of certified projects.

Battersea Park Fireworks 2023

234.58 tonnes CO₂e

Offset indication for carbon neutral certification:

£1,173 < offset < £5,865 dependant on provider & project chosen