



Company No. 12271366



Sustainability Report 2023

Report produced by Leaf Ray Consultancy Limited
on behalf on East Finchley Festival CIC.

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East Finchley Festival's Journey towards Net Zero

Net zero refers to a state where the amount of greenhouse gas emissions produced is equal to the amount removed from the atmosphere. The goal of achieving net zero is to limit the global temperature increase to below 2°C above pre-industrial levels and to pursue efforts to limit the increase to 1.5°C. This is seen as an important target set by the Paris Agreement at COP21 in 2015 in addressing the challenges posed by climate change and we are committed to join others on this journey.

Net zero can be achieved through a combination of reducing emissions through increased energy efficiency, shifting to renewable energy sources, and removing carbon dioxide from the atmosphere through carbon capture and storage or reforestation. The idea is to balance the emissions produced with the emissions removed, resulting in a net zero effect on the atmosphere. We will strive towards these mechanisms through our operations and guidance.



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About us

East Finchley Festival is an inclusive FREE one-day community festival in London N2, produced for the benefit of the local community. The festival has existed in its current form since the early 1970s.

Since 2019 it has been run by East Finchley Festival CIC, a non-profit Community Interest Company.

EFF CIC exists to provide a free community festival that brings the community together for a special day in the summer that is enjoyable, healthy and safe, and this requires a healthy thriving planet full of healthy people which is why we are committed to environmental sustainability and enhancing air quality.



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East Finchley Festival's Sustainability Statement

East Finchley Festival CIC is committed to ensuring that the festival is as environmentally sustainable as possible.

Our goal is to reduce the festival's carbon footprint and environmental impact incrementally each year.

In this endeavour we seek to engage the local community and prioritise stallholders and vendors at the event who are committed to assisting us in making the festival as sustainable as possible. Since taking over the management of East Finchley Festival in 2019 we have taken the following steps:

- ✓ 2020: We banned foil and plastic balloons, helium, and single-use plastics of any sort at the festival.
- ✓ 2021: All our cups are now vegware, which is compostable in regular rubbish.
- ✓ 2022: Barnet Council installed a bottle refill station in Cherry Tree Wood.
- ✓ 2023: We replaced our diesel generators with an HVO (hydrotreated vegetable oil) powered generator for the main stage and a solar array/battery combo for the community stage.
- ✓ 2024: We have used carbon offsetting to become carbon neutral.



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Keep Calm, Carry On.

2023 GHG CO2e Emissions Measurement Report Data

Emission Type	Scope 1	Scope 2	Scope 3		Annual Emissions CO2e kg	Annual Emissions %
BioFuel	0.85			Scope1	0.85kg	0.05%
Water Supply			6.21	Scope3	6.21kg	0.37%
Water Treatment			11.33	Scope3	11.33kg	0.68%
Waste Disposal			1,382.14	Scope3	1,382.14kg	82.95%
Business Travel			131.90	Scope3	131.90kg	7.92%
Home Working			133.81	Scope3	133.81kg	8.03%
	0.85	0.00	1665.39			
TOTAL MT CO2e	1.67t				1,666.24kg	100.00%

Definitions

Scope 1 emissions refer to direct greenhouse gas (GHG) emissions from sources that are owned or controlled by a company. These emissions come from combustion of fossil fuels, such as coal, oil, and natural gas, for energy production, heating, or transportation.

Scope 2 emissions, on the other hand, refer to indirect GHG emissions that result from the generation of electricity, heating, or cooling that is consumed by a company. These emissions are generated at power plants, but they are not directly under the control of the company using the energy.

Scope 3 emissions are all other indirect emissions that occur in a company's value chain, such as the extraction, production, and transportation of raw materials, or the manufacturing, use, and disposal of products. These emissions can also come from employee commuting and business travel.

It's important to note that while scopes 1 and 2 are well defined, scope 3 is more broadly defined and can include a wide range of activities and emissions sources which we have tried to include. Typically we have more control over scopes 1 and 2 emissions, but scope 3 emissions can often represent a significant portion of a company's total GHG footprint as is borne out in our report with Scope 3 emissions making up over 99% of EFF's total emissions.

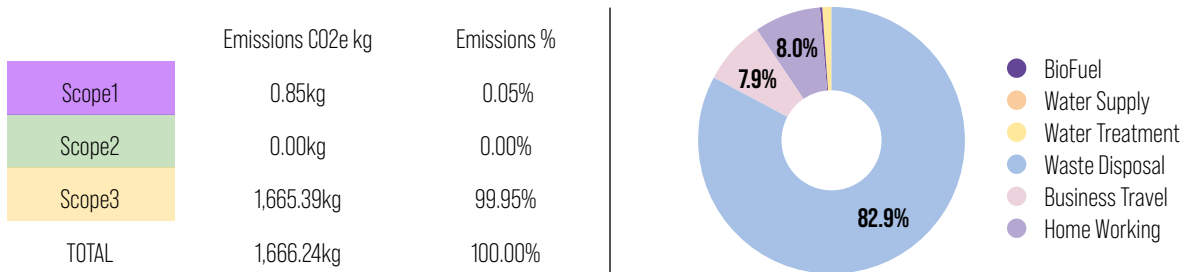


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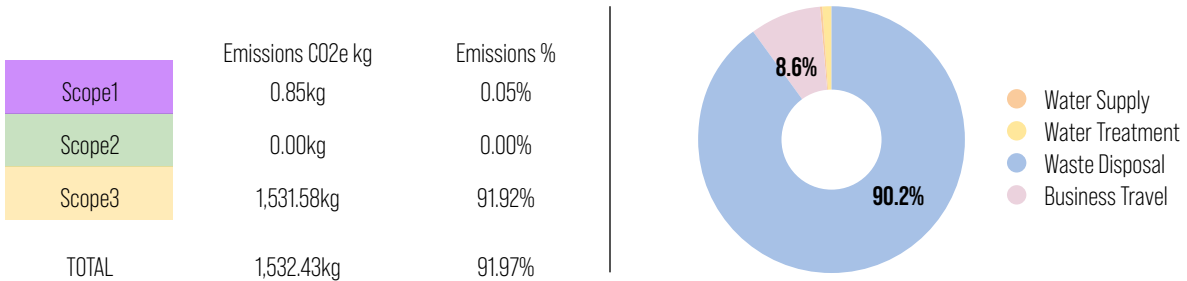


2023 Scope GHG CO2e Emissions Results

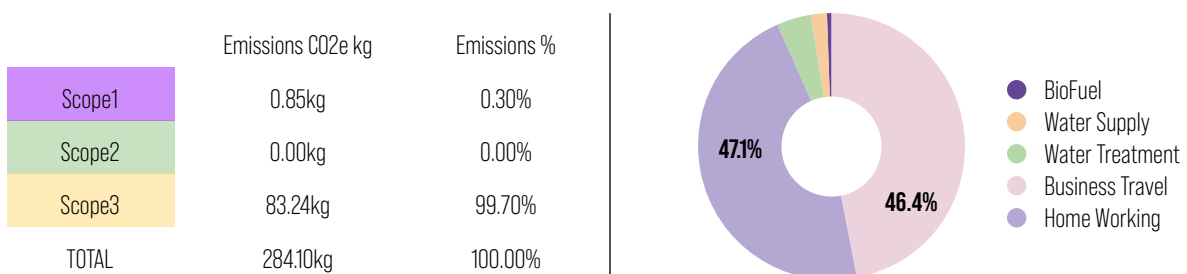
Total Emissions by Scope



Total Emissions by Scope: Less Home Working



Total Emissions by Scope: Less Waste Disposal



To better see the footprint of the Festival we have removed Home Working and then Waste Disposal gradually from this part of the narrative. This allows better transparency and analysis of the impacts of daily activity as Emissions type; as Pie Charts and Bar Graphs. Equally this helps highlight why our scope 3 emissions makes up an unusually high 99% of our total emissions, compared to most businesses which have around 85-90%, as we see the impacts of a single day of fun, where we bring 10,000 members of the public, stall holders and entertainers, crew and volunteers together in a local park under a unique setting.

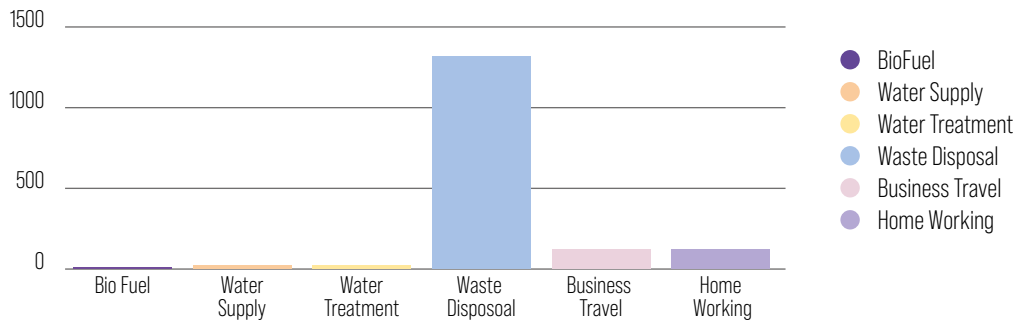


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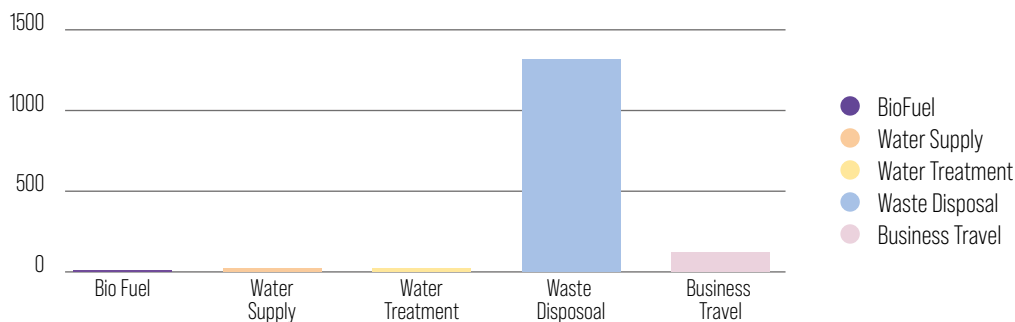


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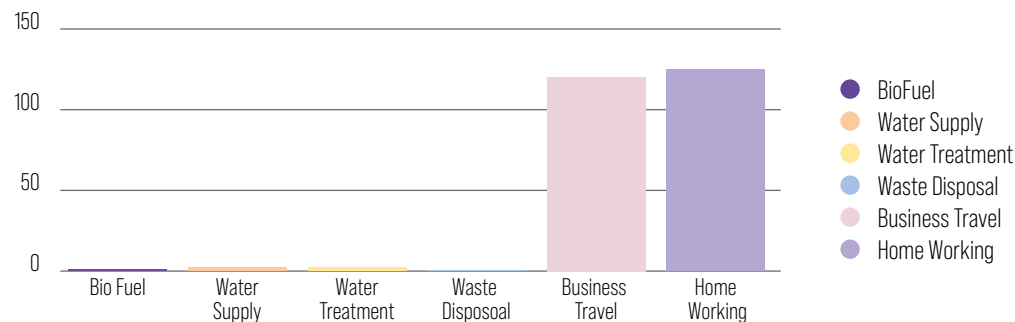
Total Emissions by Scope



Total Emissions by Scope: Less Home Working



Total Emissions by Scope: Less Waste Disposal





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Conclusions

On a whole the impact of the Festival is around 1.67 Metric Tonnes CO₂e this year, which equates to nearly 17g CO₂e per person if we assume 10,000 people attended through the day.

To give this some context:

Travelling a single journey to Kings Cross from East Finchley by Tube will generate 18g CO₂e.

Breaking things down a little we can see:

Waste is by far the largest factor in the emissions generating 89% of the total.

This large 1.38Mt CO₂e figure is mostly in part to the contaminated biodegradable organic food and drink waste.

Next is home working with 8% (133.81kg CO₂e), and although the volunteers clocked

over a combined 281 hours across the year, from organising the festival it is pleasing to report that over 60% of them already use renewable energy in their homes!

Expectedly “business travel” which is those vehicles used to bring the stages, stalls and stall holders to the site is a close third at 7% (131.90kg CO₂e), this low figure is attributed to the local principle of preference being given to local (to N2) food vendors, stallholders and entertainment acts, so those that do travel do not travel far and we saw a small percentage of hybrid & electric vehicles which we expect to rise and so diminish this future figure even further.

Energy emissions are generally otherwise very low along with water and waste disposal.



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Reductions - Power

One of the most significant impacts has been replacing the power units that power both the stages. It is worth mentioning these estimates and the impact on the emissions reduction, air quality and noise quality.

2018 Estimated

Inflatable slides needing 5 separate diesel generators and the bar were in use utilising a much larger 3 phase unit the estimated CO2e emissions was a whopping 191 KG CO2e

2022 Estimated

Compared to the Diesel unit that was not only noisy and smelly in 2022 its use is estimated to have generated 102 KG CO2e, saving 101.15 Kg

2023 Measured

This year the Community Stage was powered by a Solar array, generating zero emissions and the main stage was powered by BioFuel, generating a tiny 0.85kg CO2e or 0.05% of the total.

So we can conclude in the last few years due to proactivity the festival has already:

- ✓ Saved 190 KG CO2e which would represent 5.5% of the total emissions.
- ✓ Energy Fuel GHG CO2e Emissions being;
- ✓ 100 times greater in 2018 than where it is now in 2023.

Reduction Strategies

- Vendors should consider the environmental impact of any products they sell. Balloons, foil, glitter and disposable plastics are not permitted.
- Food vendors should aim to minimise their use of single-use disposable items. Disposable containers and packaging should be degradable/compostable via domestic facilities
- Vehicular access to Cherry Tree Wood is limited to essential suppliers. Festival attendees are encouraged to arrive on foot or by public transport.
- Motorised entertainment such as funfair rides are not permitted.
- Generators are kept to a minimum and only provided for the running of festival activities and infrastructure. Continue to not allow plastic on site.
- As battery power becomes more robust consider moving the main stage to this energy.
- Encourage festival stallholders to share or use electric vehicles.
- Recycle more waste and encourage Barnet Council to facilitate this.



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Future Consideration

Concentrating on reducing our emissions with the impact in reductions coming from the waste, sustainable consumption and active travel and electric vehicles.

Looking to the future towards greener power consumption for example, smaller battery or hydrogen powered generators may be an option.

As it is going to be very difficult to mitigate against these two forms of emissions until we have Council and Community engagement and support we must do what we can everywhere else.

This will include but not limited to looking into reducing throughout our supply chain, operations and stall holders:

✓ Ensuring our stall holders involve electric vehicles or swap to a green supplier.

- ✓ The UK government recently released its strategy on hydrogen, as part of broader net zero strategies. This will provide another low emissions fuel option for larger generators we may be able to harness these. use soap bars in the toilets to reduce plastic waste on packaging.
- ✓ Use environmentally friendly cleaning products to reduce the impact of our waste on the water cycle use environmentally friendly toilet roll from a sustainable source to reduce the impact on the water cycle and environment.
- ✓ Deploy recycle bins and ensure that contamination is guarded against.
- ✓ Try to prioritise sustainable products in stall holders and highlight those with a better footprint or diminished environmental impact
- ✓ Offer incentives to stall holders that use sustainable methods in materials and production.



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Offsetting

Once we have reduced, reused and recycled all that we can, in order for us to be net zero we have to offset the rest.

We are very pleased to say we have chosen a responsible and sustainable scheme, by purchasing 10 tonnes of carbon credits. We used today's figure of £36/Mt CO₂ to offset our 1.6t with a purchase of over £65 of these credits. Resulting in EFF being regenerative.

carboncredits.com/carbon-prices-today

Why did we choose Mangroves:

Mangrove forests are one of most carbon dense ecosystems on earth – they are highly efficient at sequestering carbon from the atmosphere, into their timber and roots, and the soils in which they grow.

For more information about carbon offsetting through mangrove planting, read more her: makeitwild.co.uk/international-carbon-offsetting.

What else is special about mangrove trees?

Here are some of the reasons mangroves are important: they...

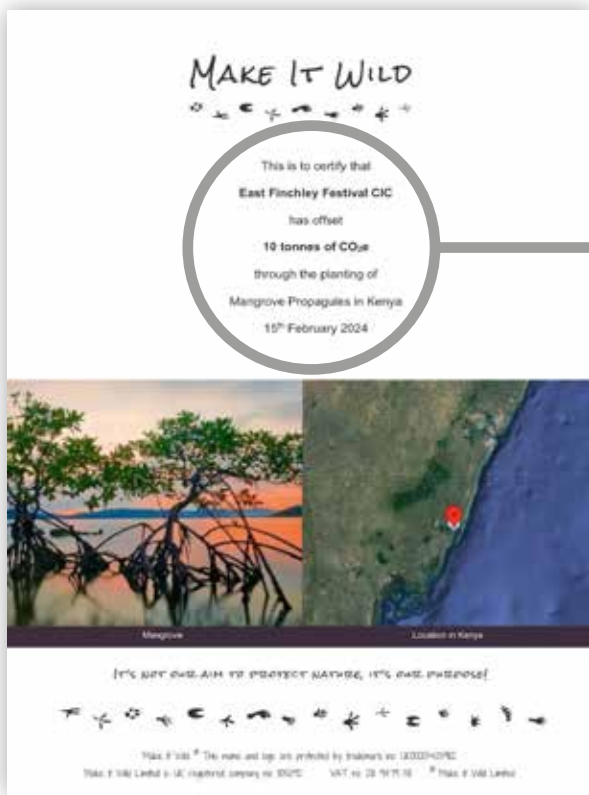
- *are evergreen, and grow all year round, gaining 10-15 cm per year*
- *stabilise the coastline, protecting it from high tides, tropical storms and tsunamis*
- *form a peat-like soil, which absorbs rainfall and protects the environment from storm surges,*
- *reducing the risk of coastal flooding*
- *provide meaningful work, helping to eradicate poverty and empower people in the local community*
- *provide shelter and breeding habitat for fish and marine invertebrates – supporting biodiversity and food for local people*
- *offer nesting area for coastal birds, helping biodiversity*



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2023 Regenerative!



This is to certify that **East Finchley Festival CIC** has offset **10 tonnes of CO₂e** through the planting of Mangrove Propagules in Kenya **15th February 2024**

Issued by Makeitwild (makeitwild.co.uk)



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- and food for local people
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