



# Eastbourne Airshow

18-21 August 2022

Environmental impact report



# site energy

**Mains power (100% renewable energy):** Event control, Airbourne Office, Stewards Rest Tent\*, Radio Tent\*, Press Tent\*, Wish Tower Catering Village, Flight Control Cabin\*, Radio Airbourne\*, Medical Centre\*  
\*Previously on generated power

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**Generated Power:** Promenade Traders, Trade Control, Hospitality, RAF Engagement, Army Engagement, Lighting Towers, Big Screen

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## Fuel used:

3000L x Hydrotreated Vegetable Oil  
1801L x Road diesel\*\*

The use of HVO fuel in 2022 reduced emissions by 7.5 tonnes CO<sub>2</sub>e

\*\*Road diesel was present in the generators on arrival to site (remaining from prior use) and further road diesel was purchased due to a delayed HVO delivery

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**Energy efficient equipment:** LED Lighting tower, LED strip lighting

# water

Free mains water provision: Event control, Western Lawns, Wish Tower Slopes, Lifeguards station, Bandstand

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Refill not Landfill campaign: Free water tap locations promoted to reduce single use waste

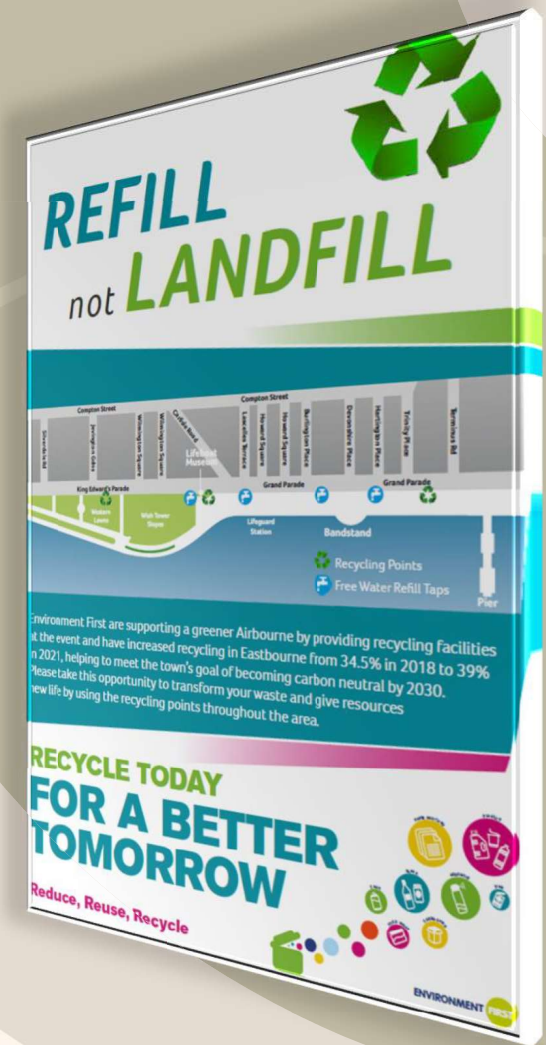
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Bottled water: Staff encouraged to bring reusable water bottles to the event

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Monitoring: 360 bottles of water handed out to staff & contractors (less than 1 bottle per day per person). Bottled water utilised used from stock and not purchased from new for the event

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## WASTE & CLEANSING

Waste facility provided: Dry Mixed Recycling (DMR) & General Waste

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Measurement: 34.2 ton collected

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Recycling points provided: 3 recycling zones

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### Contamination:

100% DMR contaminated – Public contaminated the DMR containers with general waste. All waste was sent to Newhaven Energy Recovery Facility. No waste sent to landfill. Further work required to educate and manage DMR waste stream and reduce contamination

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# travel

## CAMPAIGN

Promoted low/zero carbon transport options on the website, social media & at staff briefings\*

*\*Industrial action on rail network increased travel by car and promotion of car parks*

## PARK & WALK / BUS

Facility reduces overall emissions. Euro 5 emission standard buses used. Parking capacity increased due to industrial action

## TRANSPORT

Pilot transport: 3 All-electric vehicles  
Logistics: 1x All-electric van, 4x Diesel vans

## MEASURE

710 responses to the onsite and online survey:  
Public travel estimated: 6,033,140 kg CO<sub>2</sub>e  
Staff/trader travel estimated: 7,979 kg CO<sub>2</sub>e

## CYCLE PARK

Zero emission cycle park offered on event site

# STEM Zone

STEM activities at the event included the World's first certified electric plane and local renewable energy company OHM Energy who provided advice and guidance on Solar PV, Solar Thermal, Battery Storage, Air Source heat Pumps, EV charging points & engineering courses on renewable energy.



# food & drink traders

SINGLE USE  
PLASTIC

**Traders prohibited from selling plastic\***

\*All caterers complied. Some caterers used up stock of plastic bottles from a previous event before switching to canned drinks

ADVICE

**Caterers asked to place recyclable items into recycling points**

MONITOR

**Traders actions monitored during the event**

LOCAL

**Local trader discount offered to incentivise local trader participation**

VEGAN

**Preference given to caterers who offered vegan options**

ELECTRIC

**Preference given to vendors that did not require electric**

# Production

**Banner advertising:** 17x PVC banners were purchased for the purposes of advertising and sponsorship. The banners have been stored for reuse. Big screen advertising was used to reduce the volume of banners required

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**Single use cable ties:** 1,250 single use cable ties were used across the event site for installing emergency PA cables, power cable & advertising banners

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**Hazard tape:** 1 reel of single use hazard tape was used to highlight H&S hazards. 3 reels of reusable traffic tape was used to section off parking

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**Plastic bags:** 40x plastic bags (old stock) and 60x brown paper bags used for distribution of staff uniform.

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**Batteries:** Rechargeable batteries used across the entire event for hand held equipment

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**Programme Printing:** Vegetable based ink and FSC Mix certified materials from FSC certified forests, recycled materials and FSC controlled wood. Marshal handbook provided as digital version only

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**Staff Lanyards:** Printed in house

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# Air Displays

**Monitor:** Display teams required to submit data regarding their display (fuel & smoke). Total 234,433 kg CO<sub>2</sub>e. In 2019 it is estimated that 261,877 kg CO<sub>2</sub>e. A reduction of 27,444 kg CO<sub>2</sub>e.

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**Carbon offsetting:** Priority was given to teams signed up to carbon offsetting schemes. 4 display teams signed up to carbon offsetting

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**Local display teams:** Priority was given to local display teams

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**Reduced displays:** In 2019 56 displays were booked in 2022 50 displays were booked\*\*  
\*Less displays

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**Tree planting:** Donation towards tree planting will follow once environmental impact data has been assessed

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# Local Communities & Economy

**Raise profile:** Event used to raise the profile of the resort, local businesses, recycling, free water refill points, volunteering, military recruitment & STEM

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**Job opportunities:** Over 100 residents received paid employment to work at the event

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**Tourist economy:** Significant boost to hotel, retail, transport providers, restaurants and pubs

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**Monitor:** Photos taken of crowds to assess daily attendance\*  
\*Data to follow

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**Tree planting:** Donation towards tree planting will follow once environmental impact data has been assessed

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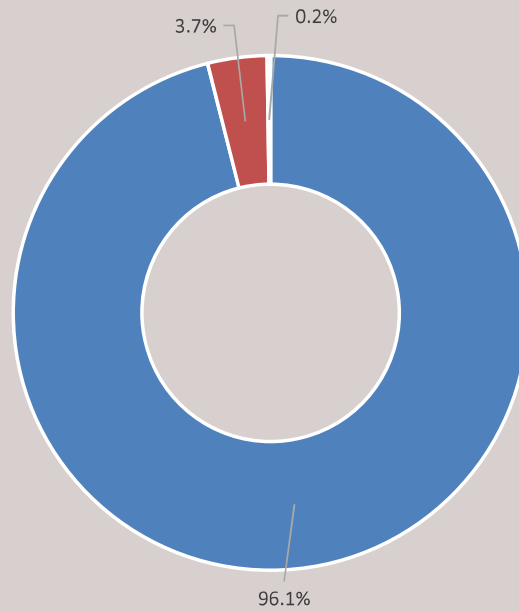
## AIRSHOW COMPARISON

Bournemouth Airshow: 7,190 Tonnes

Eastbourne Airshow: 6,280 Tonnes

# EMISSIONS OVERVIEW

Airbourne emissions 2022



■ Audience travel ■ Display Aircraft ■ Other sources



**EVENT EMISSIONS  
(NOT INCLUDING AUDIENCE TRAVEL)**

2019: 276.5 Tonnes CO<sub>2</sub>e\*

2022: 241.5 Tonnes CO<sub>2</sub>e

**Reduction: 35 Tonnes CO<sub>2</sub>e**

**EVENT EMISSIONS COMPARISON  
(NOT INCLUDING AUDIENCE TRAVEL)**

¾ 1 way flight from London to New York

28-32 flights depart from London to New York per day

28-32 flights depart from New York to London per day

In 2021 315,202 flights took off/landed in the UK

**AUDIENCE RELATED TRAVEL**

2019: No data collected

2022: 6,033 Tonnes CO<sub>2</sub>e

\*2019 figures based on estimates