

# Environmental Monitoring Report

4th Quarter: October - December 2023

# Agenda

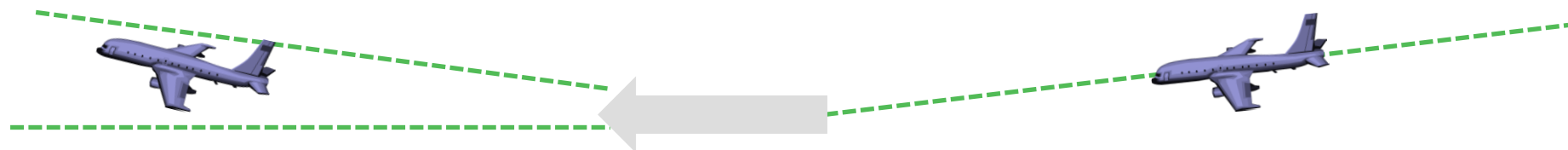
- Sustainability update Q4
- Environmental update
- Planning update
- Sustainability strategy
- Discussion: 2024 EEWP

# Sustainability Update – 4th Qtr 2023

- 2.8-acre solar farm live!
- Launch of Hydrogen in Aviation working group.
- Safety case for airside hydrogen-powered Ground Support Equipment trial approved by CAA.
- Bristol Airport win International Airport Review's Sustainable Airport Award.
- Achieved Level 4+ Carbon Accreditation Standard.
- Sustainability Strategy launched (on our website). First UK airport to include interim carbon target for airport operations.



# Airspace Activity- Approach and Departure

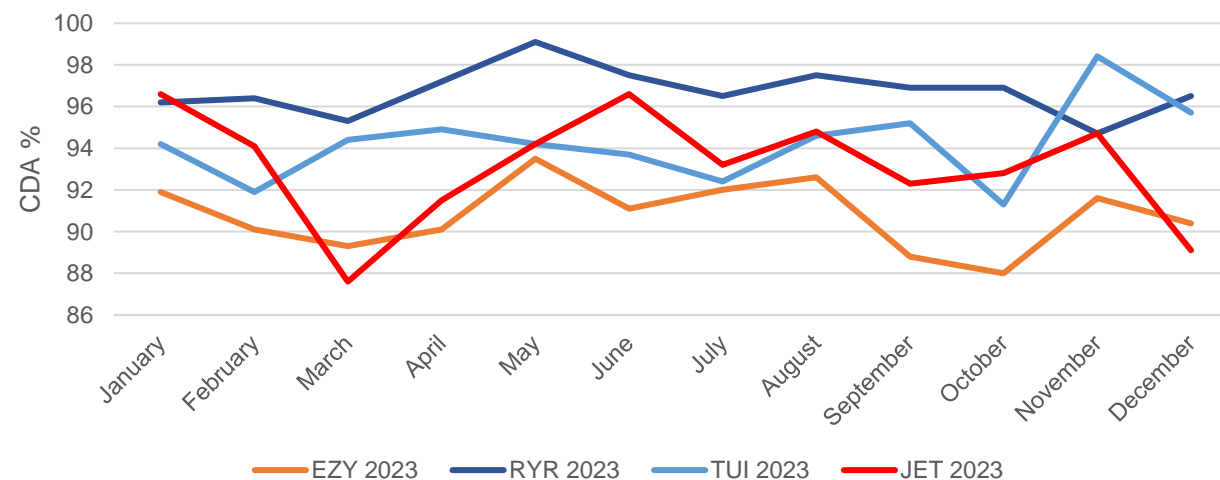


Track Keeping- within Departure Noise Preferential Routes

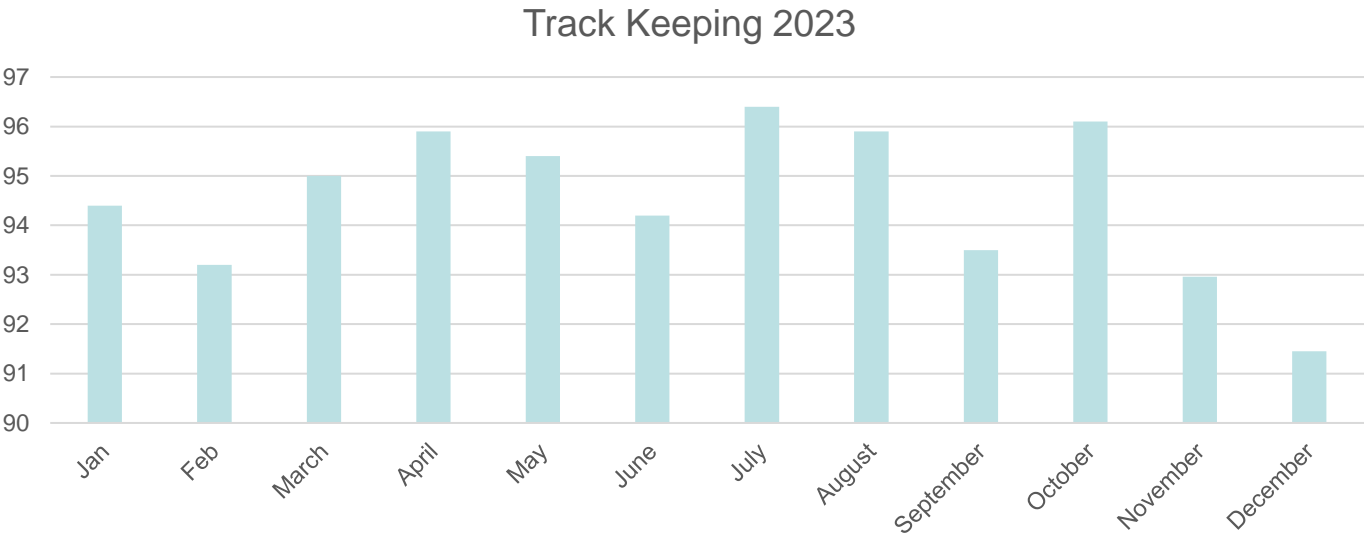
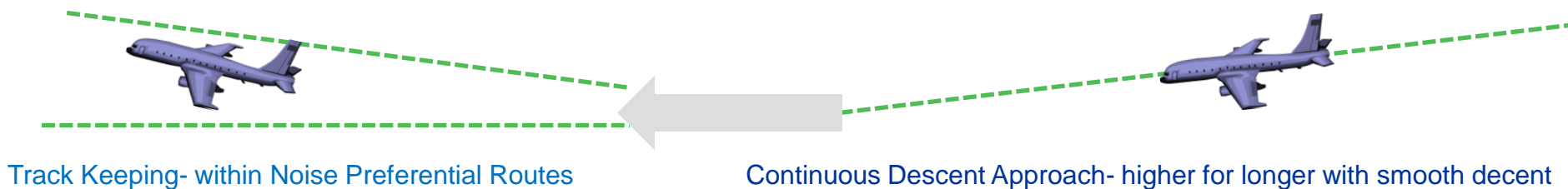
Continuous Descent Approach- higher for longer with smooth decent

	January	February	March	April	May	June	July	August	September	October	November	December
2023 Total Arrivals	1888	2061	2424	2982	3509	3584	3560	3750	3723	3629	2251	2528
2023 CDA% (All Airlines)	83	81.3	77.4	79.8	84.5	82.8	82.3	83.8	78.7	76.1	80	79.5
YTD	83	82.15	80.56	80.375	81.2	81.46	81.87	81.7	81.51	90	80.9	80.8
2023 CDA% (Main Airlines)	94.525	93.125	91.65	93.425	95.25	94.725	93.53	94.88	93.3	92.3	95.5	92.93
YTD	94.5	93.8	93.1	93.2	93.7	93.8	93.8	93.9	93.8	93.7	93.8	93.76

Main Airlines CDA %



# Airspace Activity- Approach and Departure



	2023% on track
Jan	94.4
Feb	93.2
March	95
April	95.9
May	95.4
June	94.2
July	96.4
August	95.9
September	93.5
October	96.1
November	93.0
December	91.5

Sustainable Aviation’s target for CDAs is 80%

BRS consistently above this. Year end – 94.53

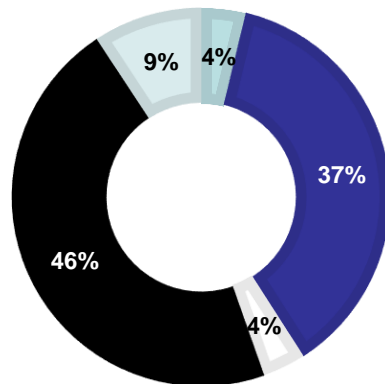
In December, strong winds affected CDA performance and also reduced track keeping to some degree

# Noise Insulation Scheme 2023 – Applied vs Paid to Date

Village	Number of Households	Costs
Cleeve	4 (3)	£9,588.51 (£7,088.51)
Felton	14 (12)	£42,723.32 (£37,866.47)
Winford	13 (11)	£27,688.17 (23,292)
Wrington	2 (2)	£5,000.00 (£4,146.17)
Total	33 (28)	£85,000.00 (£72,393.15)

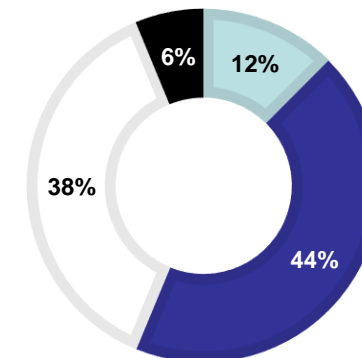
ELIGIBLE HOUSEHOLDS UNDER THE NIS

■ Cleeve ■ Felton ■ Wrington ■ Winford ■ Backwell



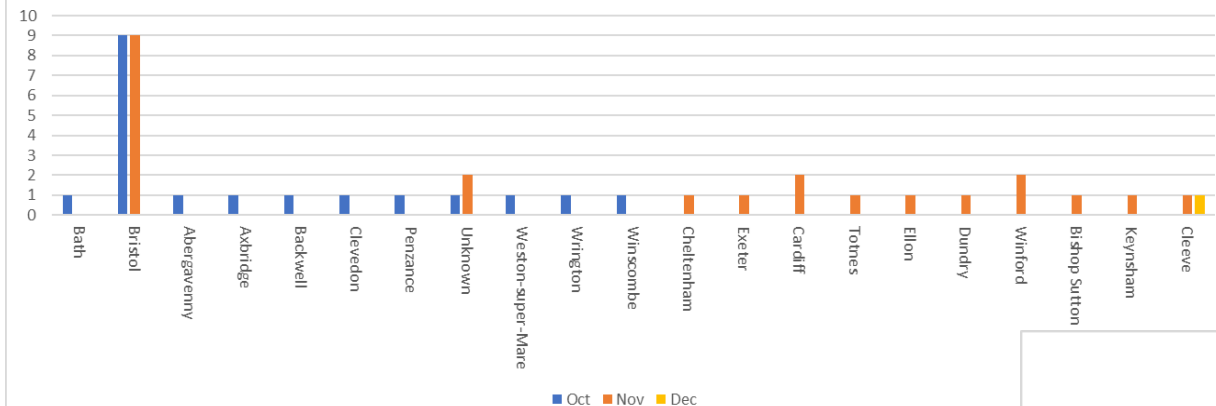
NUMBER OF HOUSEHOLDS APPLYING FOR NOISE INSULATION

■ Cleeve ■ Felton ■ Winford ■ Wrington



# Environmental Complaints - overview

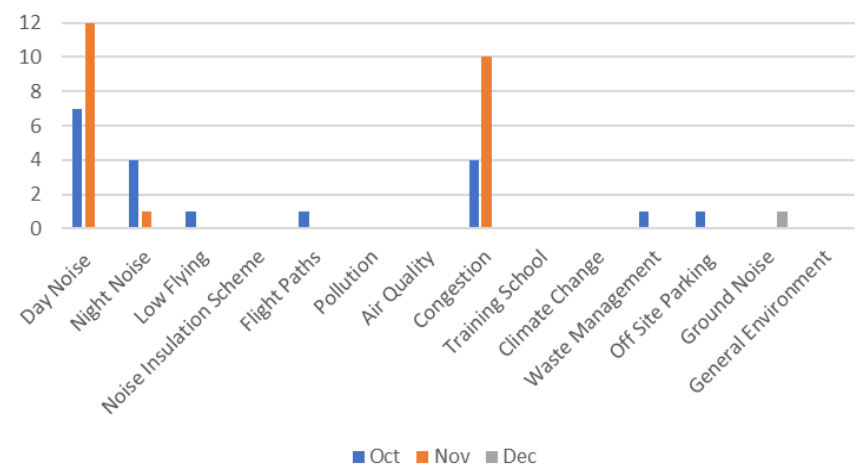
Q4- Location of Complaints



Highest origin was Bristol across October and November

5 of 19 complaints from 1 complainant in Oct

Oct & Nov - Nature of Complaint



A38 National Grid and emergency closure of A38 following accident impacted Nov stats

Nov noise complaint dominated by 3 low flying military aircraft in the same half hour on the 30/11 - RAF training (5 complaints)

	January	February	March	April	May	June	July	August	September	October	November	December
2023	4	2	18	15	25	58	41	42	40	19	23	1
2022	3	20	39	25	52	55	65	65	44	21	5	11

# Day and Night Noise Climates 2022 vs 2023

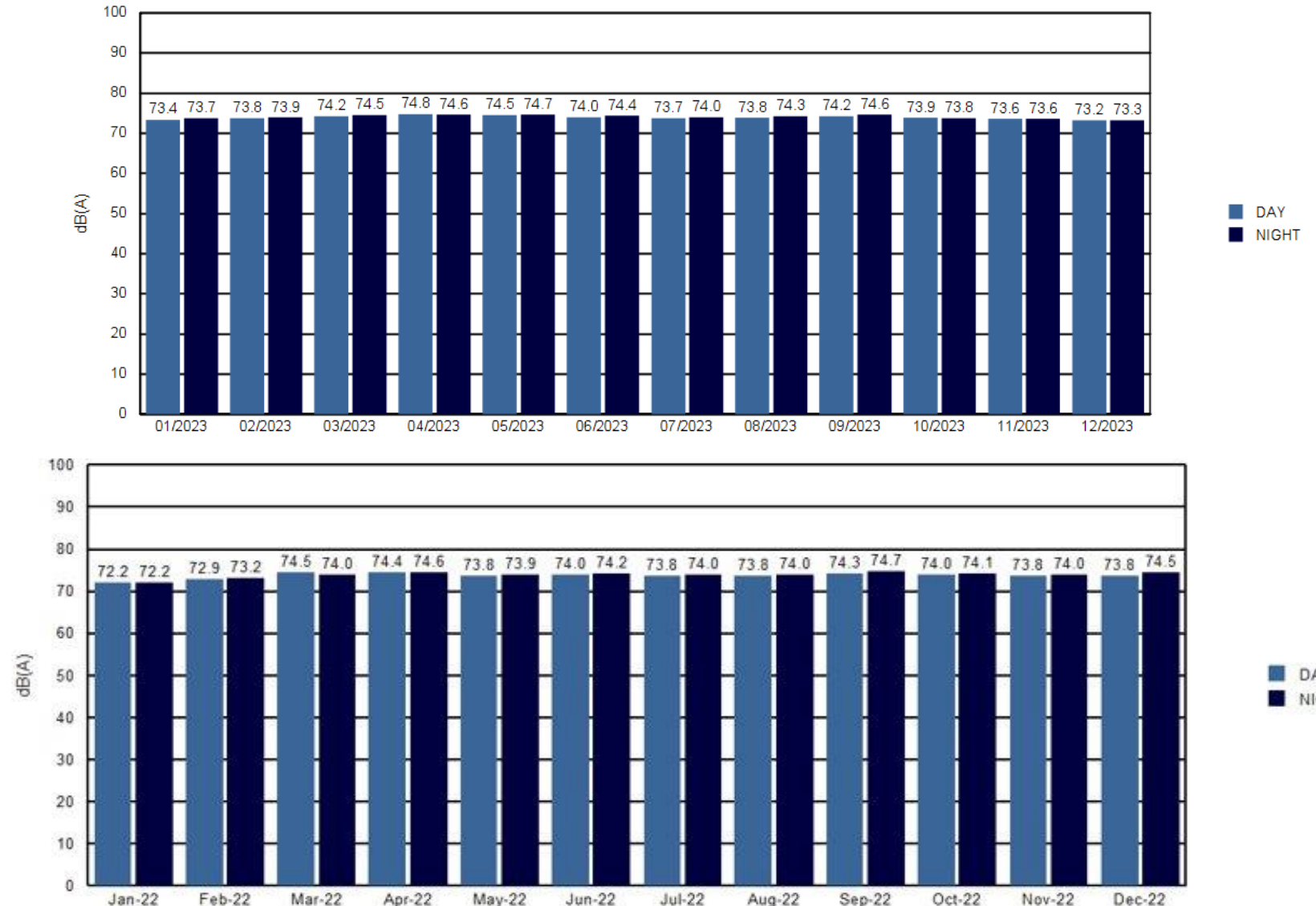
## Noise climate definition:

A noise climate is the average sound level experienced over a set time. In this case, noise is measured over the day period (0600 to 2330) and night period (2331 to 0559) for each month of the year at each of the Airport's static noise monitoring stations

Noise monitors in Felton, Congresbury and Littleton Hill

Noise remains comparable across 2023 to 2022

Noise climates for Sept – Nov were lower in 2023 than 2022





# Noise Preferential Routes



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**LEGEND:**

- Bristol Airport Runway
- Departure Route Corridor

Rev	Date	Description	Initials

**REVISIONS**

**Bickerdike  
Allen  
Partners**  
Architecture  
Acoustics  
Technology

121 Salisbury Road, London, NW6 6RG  
Email: mail@bickerdikeallen.com T: 0207 625 4411  
www.bickerdikeallen.com F: 0207 625 0250

Bristol Airport  
Noise Action Plan

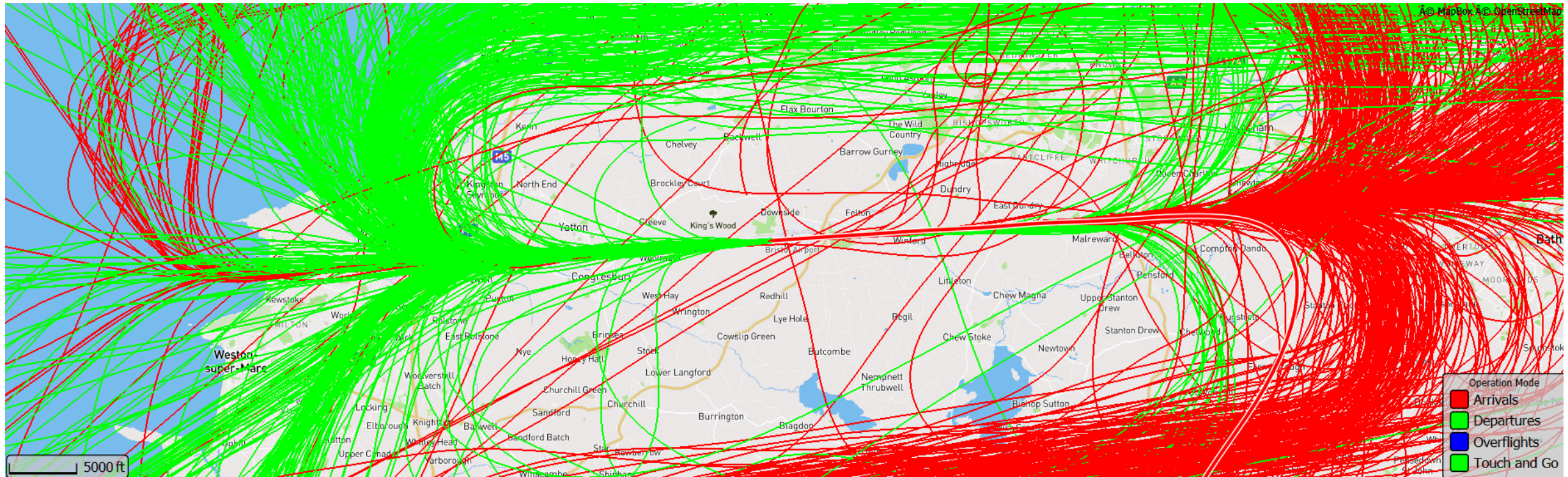
**Departure Route Corridors**

DRAWN: JC	CHECKED: NW
DATE: June 2023	SCALE: 1:150,000@A4

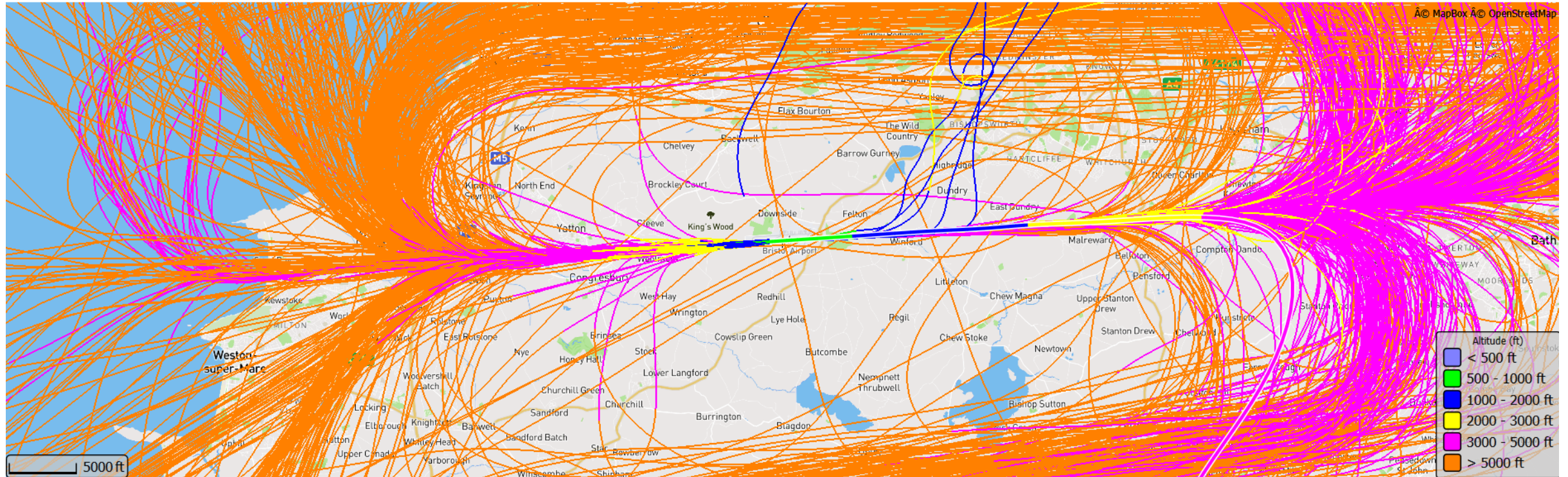
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# Departure and Arrival Tracks – 01/11 to 07/11



# Departure and Arrival Tracks – 01/11 – 07/11 – Half Term





# Planning Update

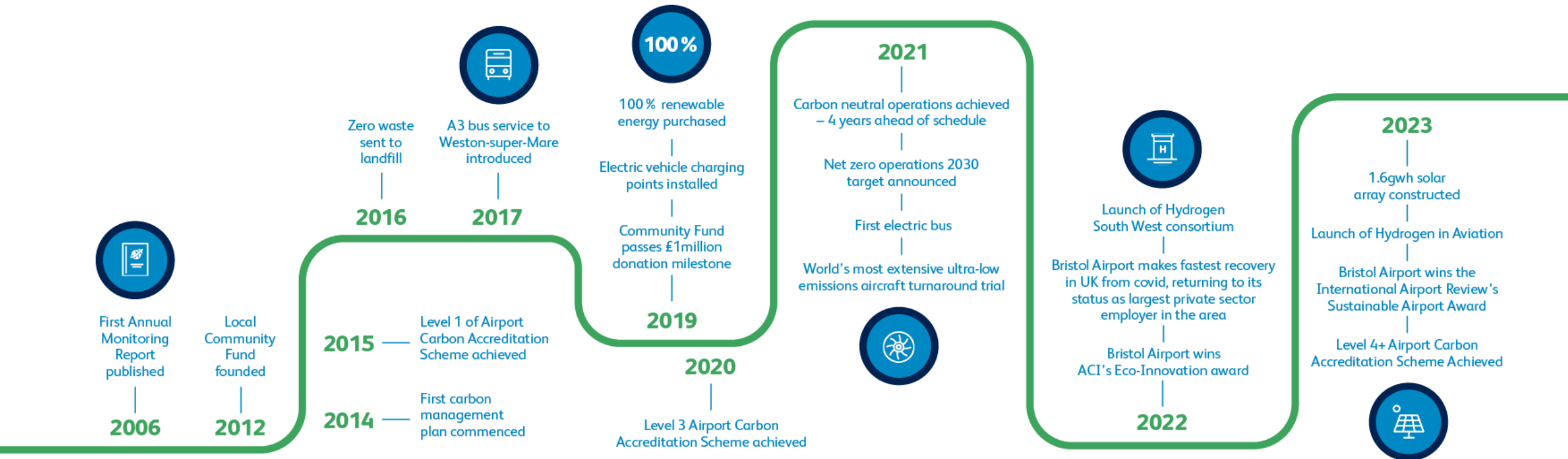
## Matthew Sharp

# Sustainability Strategy:

Launch Edition  
2023 – 2028



# Our progress so far



# Sustainability Goals

1

Be a net zero airport across our operations by 2030.

2

Reduce indirect emissions and support the development of zero emissions flight.

3

Protect and enhance our local environment.

4

Support our communities and enable our region to thrive.



## GOAL 1:

# Be a net zero airport across our operations by 2030

### Buildings



### Vehicles



### Renewables



We are committed to an interim carbon target to reduce emissions across our operations by 73% by 2027 (relative to 2019 levels). This translates to a reduction of 4,421 tonnes of CO<sub>2</sub>e



## GOAL 2:

# Reduce indirect emissions and support the development of zero emissions flight

## Innovation



easyJet



- Support airport hydrogen infrastructure
  - Aviation Carbon Transition Fund
  - Sustainability Partnerships

## Infrastructure



- Ultra rapid EV charging hub
- Accommodate Business Partner's transition to zero emissions fleet vehicles

## GOAL 3:

# Protect and enhance our local environment

## Noise



## Biodiversity



## Public transport





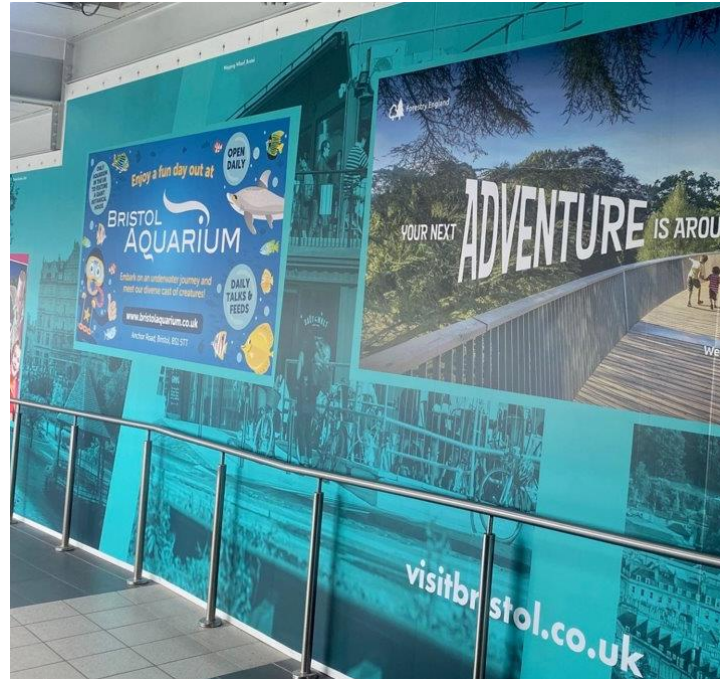
## GOAL 4:

# Support our communities and enable our region to thrive

## Skills and Employment



## Inbound tourism



## Giving back



# Delivering Our Sustainability Journey

