

BRUM BREATHES



Birmingham's journey to clean air

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HEAD OF CLEAN AIR ZONE

08 DECEMBER 2021

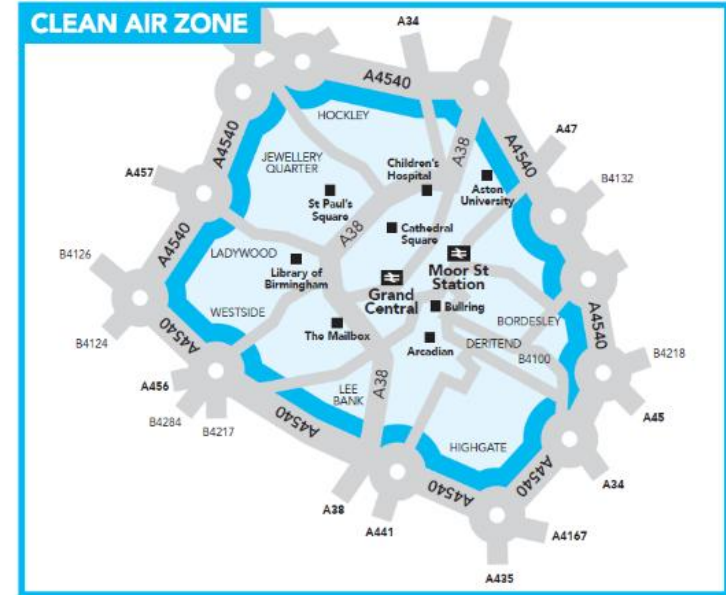


Making a positive difference every day to people's lives



Introduction

- Birmingham's Clean Air Zone became operational on 1 June 2021
- The zone is an important tool that will enable the city to reduce the levels of nitrogen dioxide to within the legal limit within the shortest possible time
- As part of the preparation of the full business case there were various studies to try and predict the impact of the Clean Air Zone – air quality, traffic and key groups
- These studies also identified potential mitigations to these impacts
- The recommendations from these reports were further refined by the feedback to the 2018 consultation
- The mitigations were designed to either give people more time to prepare or to accelerate the replacement of non-compliant vehicles
- Identifying the specific impact of the Clean Air Zone on Birmingham's economy is difficult to identify in the context of the profound impact COVID restrictions have had on economic activity and working patterns

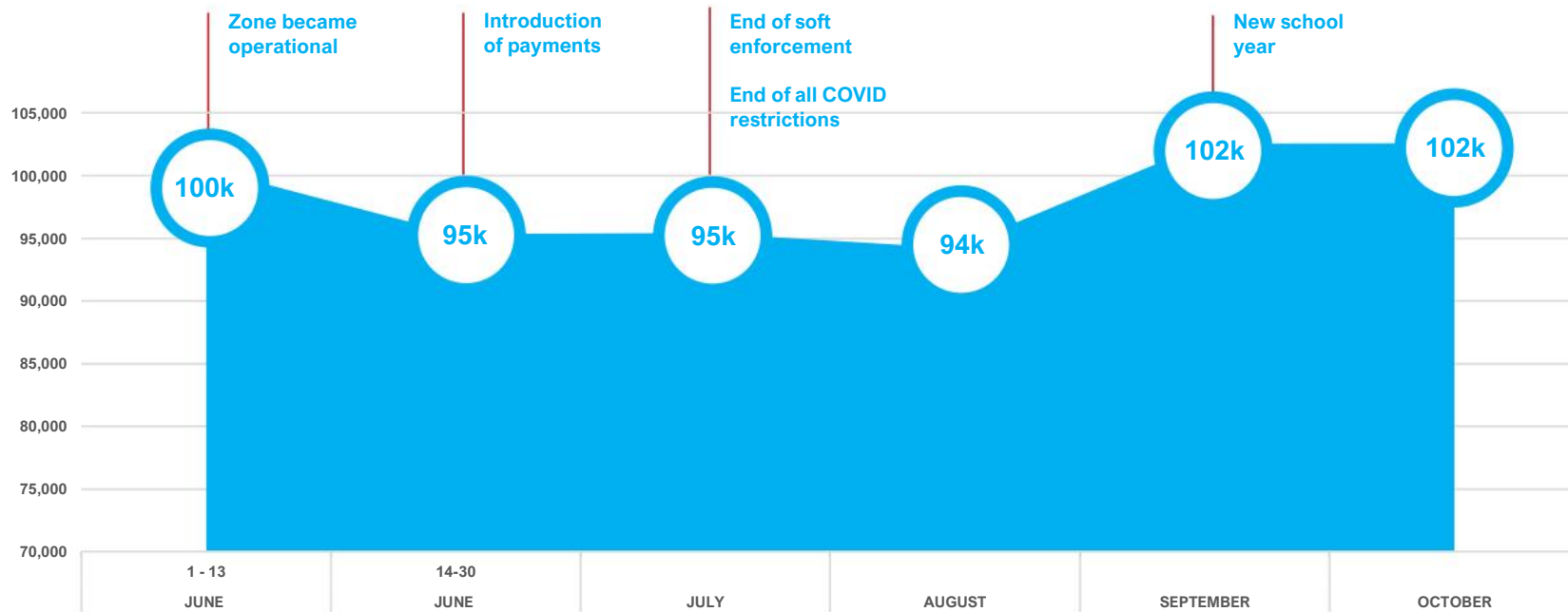


The Clean Air Zone

PERFORMANCE OF THE ZONE

How is the Clean Air Zone performing?

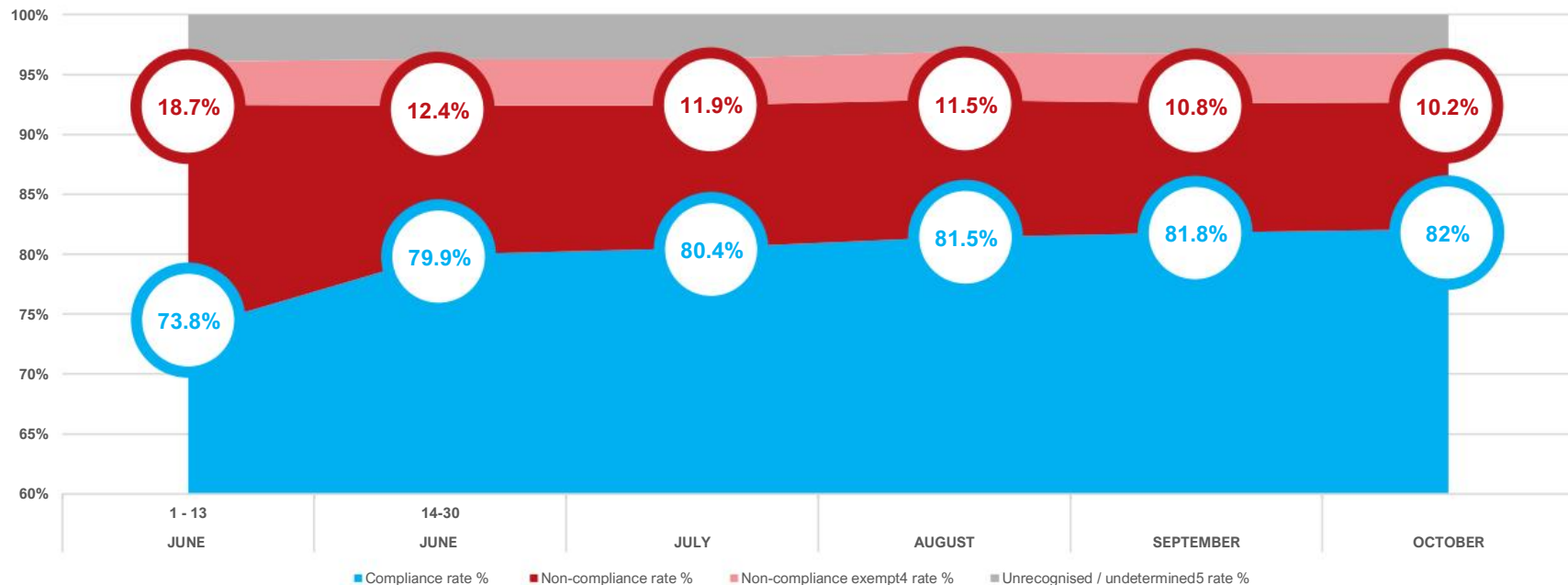
DAILY AVERAGE VOLUME OF UNIQUE VEHICLES



SOURCE: CAZ monthly factsheets June – October 2021 (brumbreathes.co.uk)

How is the Clean Air Zone performing?

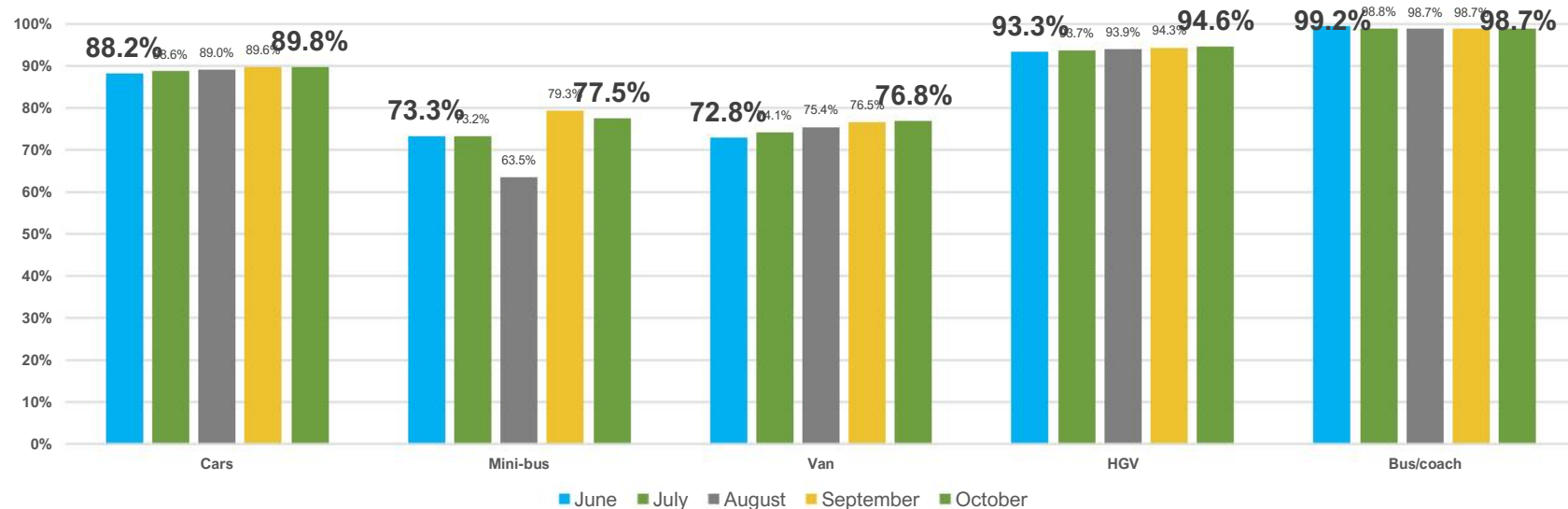
THE PERCENTAGE OF COMPLIANT v NON COMPLIANT VEHICLES (DAILY AVG)



SOURCE: CAZ monthly factsheets June – October 2021 (brumbreathes.co.uk)

How is the Clean Air Zone performing?

COMPLIANCE BY VEHICLE CATEGORY (DAILY AVG)



%age of all
unique
vehicles

80%

0.07%

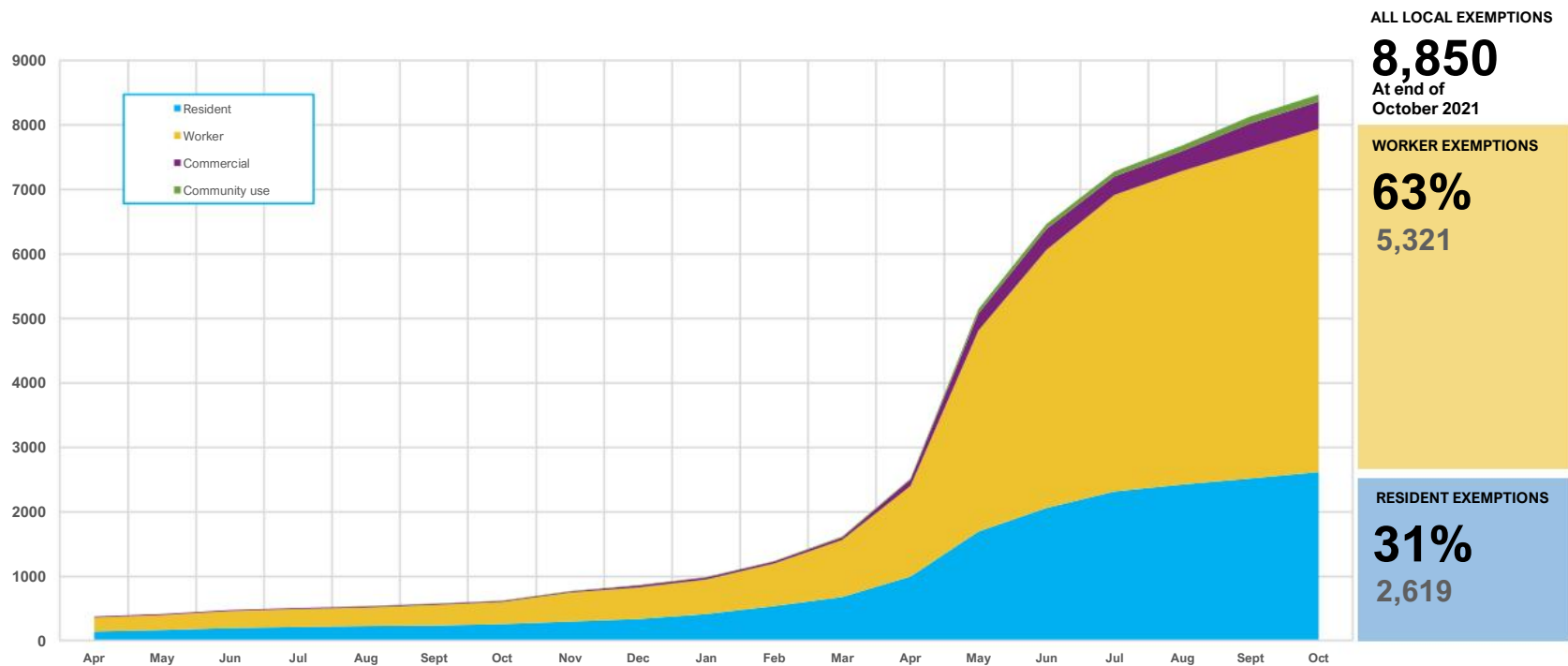
9%

1%

0.06%

SOURCE: CAZ monthly factsheets June – October 2021 (brumbreathes.co.uk)

The journey to a clean air city: supporting change



The journey to a clean air city: supporting change

HACKNEY CARRIAGE AND PRIVATE HIRE

APPS	APPROVED	PAID	REMAINING
2,274	1,289	£2.356m	£11.64m

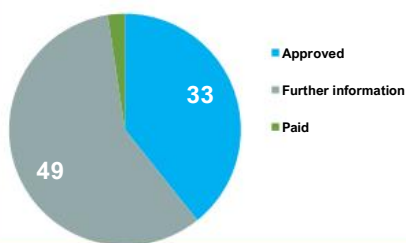


HEAVY DUTY VEHICLE FUND

APPS	APPROVED	PAID/PENDING	REMAINING
68	13	£1.74m	£8.31m

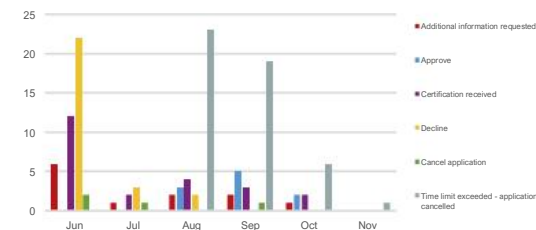


POTENTIAL VALUE OF GRANTS IN PROCESS

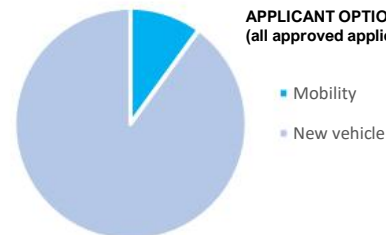


VEHICLE SCRAPPAGE

APPS	DESTROYED	PAID	REMAINING
130	25	£0.09m	£10.49m

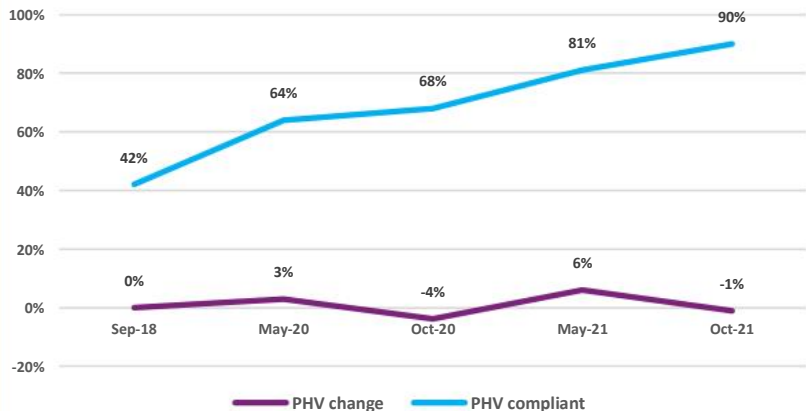


APPLICANT OPTION (all approved applications)



The journey to a clean air city: supporting change

PRIVATE HIRE VEHICLES



CAZ FBC
APPROVED

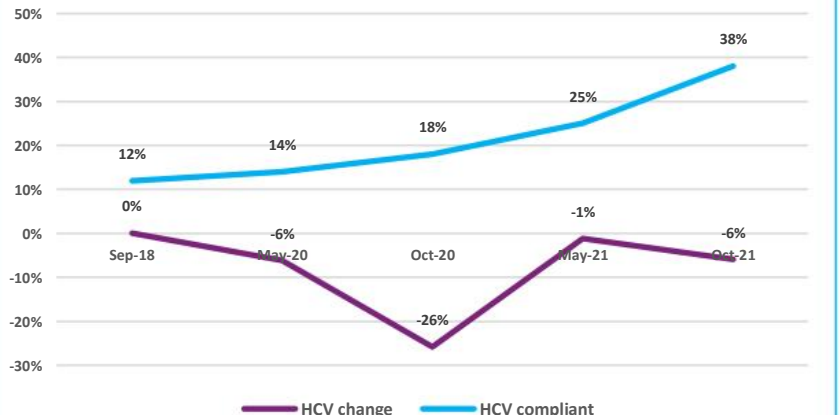
LOCKDOWN
#1

CAZ TAXI
GRANTS
LAUNCHED

CAZ TAXI
GRANTS 6
MTHS

CAZ TAXI
GRANTS 12
MTHS

HACKNEY CARRIAGE VEHICLES



CAZ FBC
APPROVED

LOCKDOWN
#1

CAZ TAXI
GRANTS
LAUNCHED

CAZ TAXI
GRANTS 6
MTHS

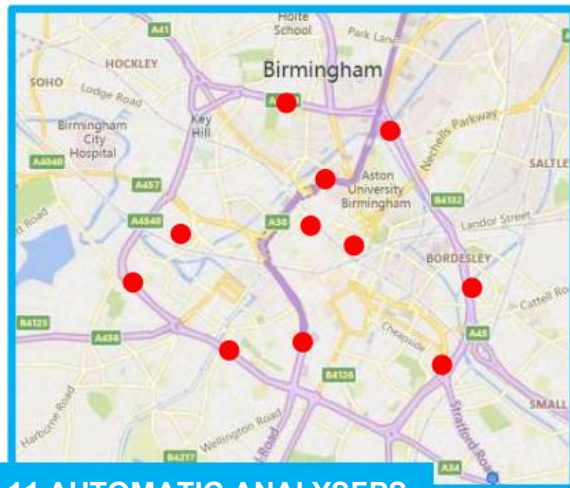
CAZ TAXI
GRANTS 12
MTHS

Monitoring air quality in Birmingham

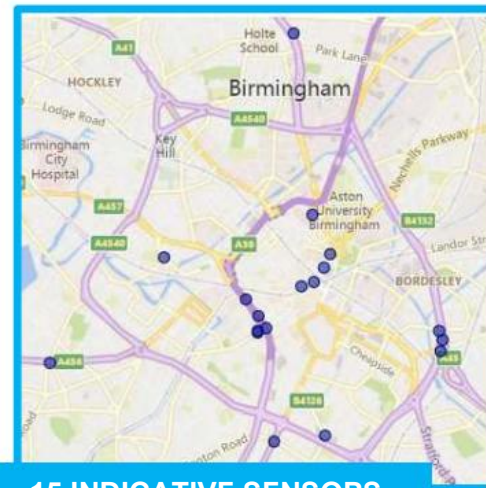
THE CITY HAS A LARGE NETWORK OF MONITORING EQUIPMENT ACROSS THE CITY CENTRE AND RING ROAD.



60+ DIFFUSION TUBES



11 AUTOMATIC ANALYSERS

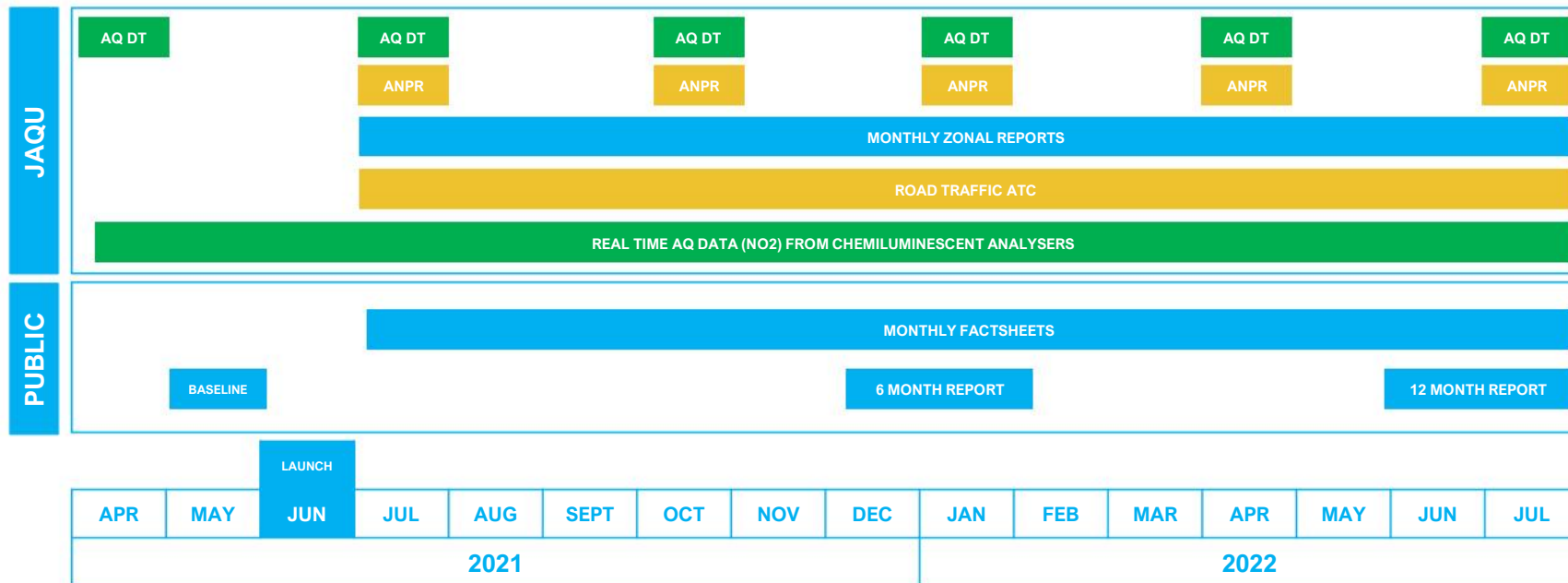


15 INDICATIVE SENSORS

WWW.BIRMINGHAMAIRQUALITY.CO.UK

Key outputs of the monitoring and evaluation programme

TIMELINE TO MID 2022



The Clean Air Zone

BIRMINGHAM'S ECONOMY

Making a positive difference every day to people's lives

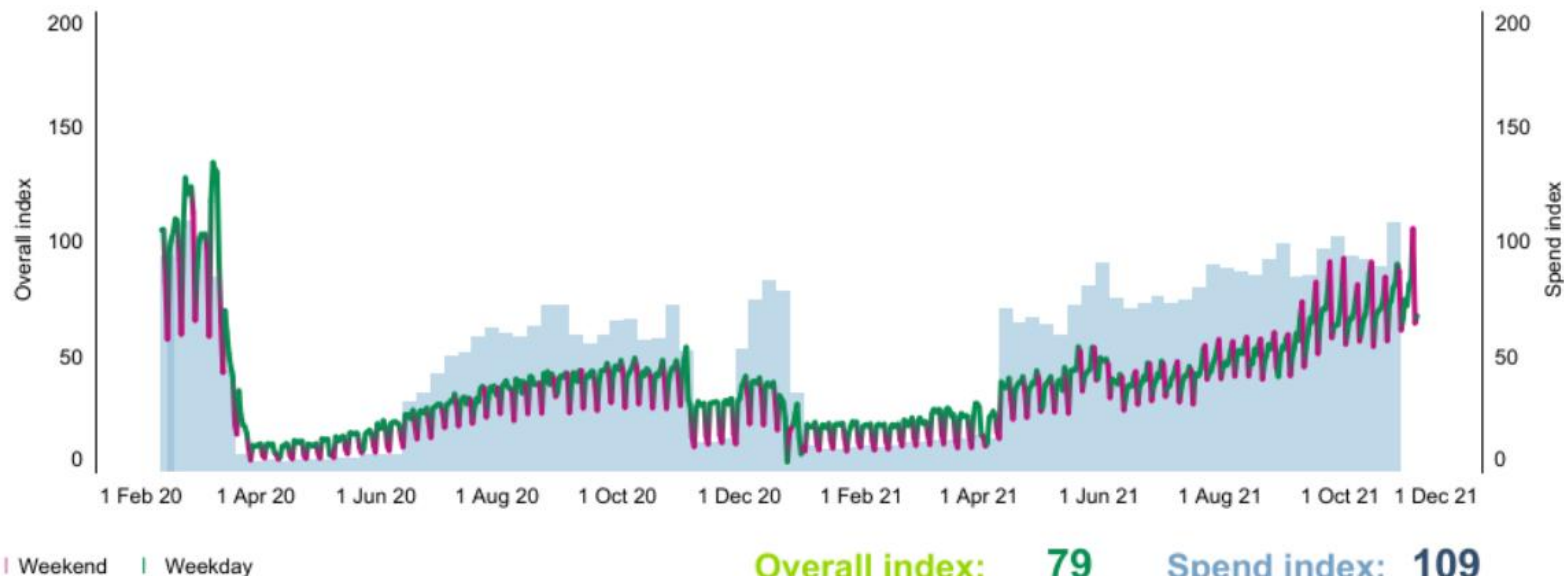


The impact of COVID on Birmingham's economy

OVERALL RECOVERY AND INDEX OF SPEND

This index looks at everyone who was in the city centre at any time of the day, compared to a pre-lockdown index of 100.

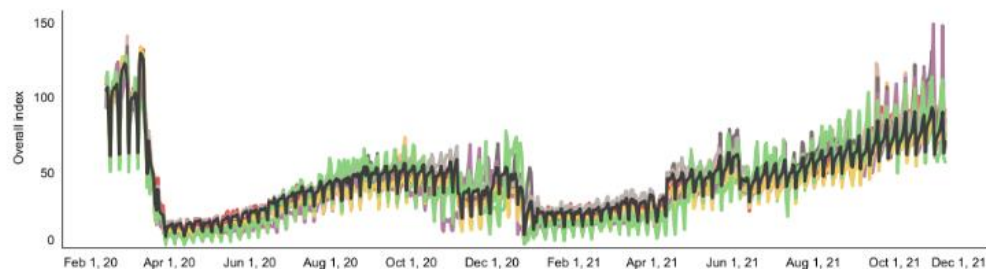
The spend index looks at relevant offline sales made in the city centre at any time of the day compared to a pre-lockdown baseline of 100.



SOURCE: Centre for Cities High Street Recovery Tracker (Data period: 13 February 2020 to 31 October 2021)

Birmingham's recovery compared with the other core cities

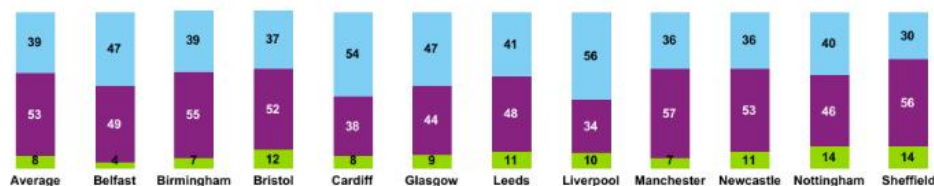
OVERALL RECOVERY AND INDEX OF SPEND



Legend:



Compare where people are coming from now (Last week of November)

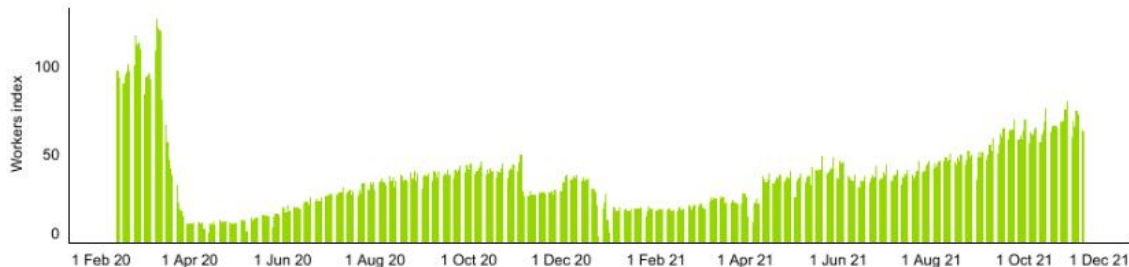


SOURCE: Centre for Cities High Street Recovery Tracker (Data period: 13 February 2020 to 31 October 2021)

The impact of COVID on Birmingham's economy

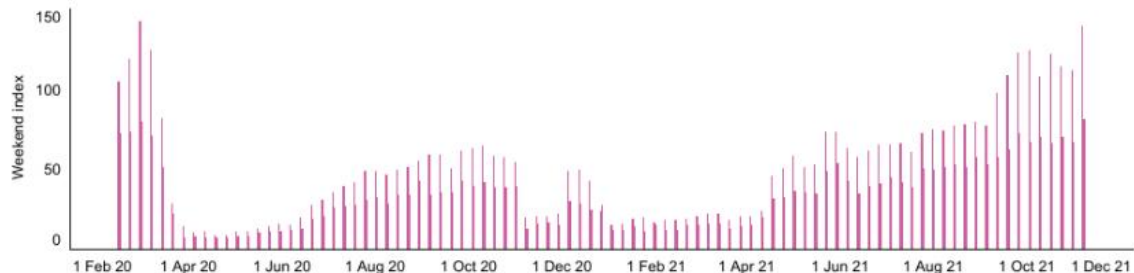
WEEKDAY INDEX

This index looks at daytime footfall on weekdays as a proxy for the return of workers, compared to a pre-lockdown baseline of 100.



WEEKEND INDEX

This index looks at people who were in the city centre, in the daytime at weekends, compared to a pre-lockdown baseline of 100.



SOURCE: Centre for Cities High Street Recovery Tracker (Data period: 13 February 2020 to 31 October 2021)

Where were visitors coming from before lockdown?



Where are visitors coming from now?
(last week of November)



Where were weekend visitors coming from before lockdown?



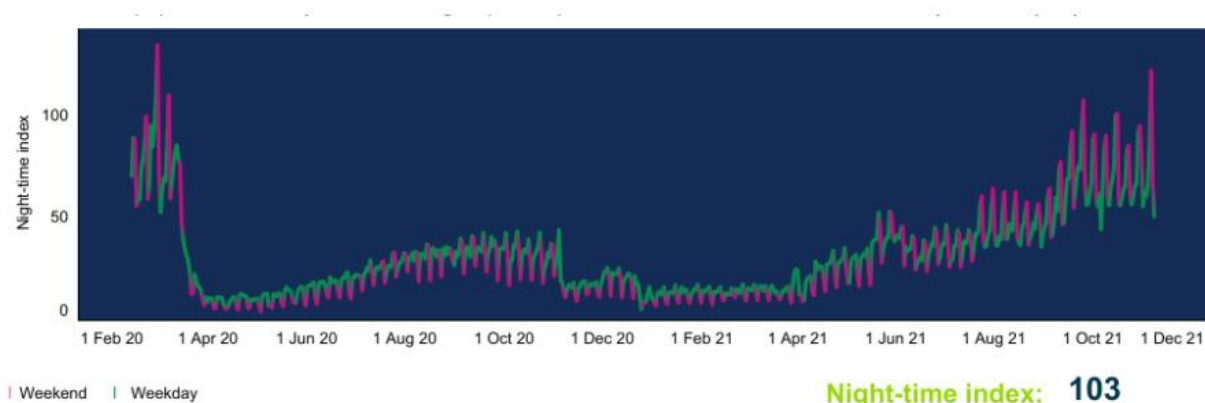
Where are weekend visitors coming from now?
(last week of November)



The impact of COVID on Birmingham's economy

NIGHT TIME INDEX

The index looks at people who were in the city in the evening compared to a pre-lockdown baseline of 100. The baseline refers to Fridays and Saturdays only.



Where were night-time visitors coming from before lockdown?

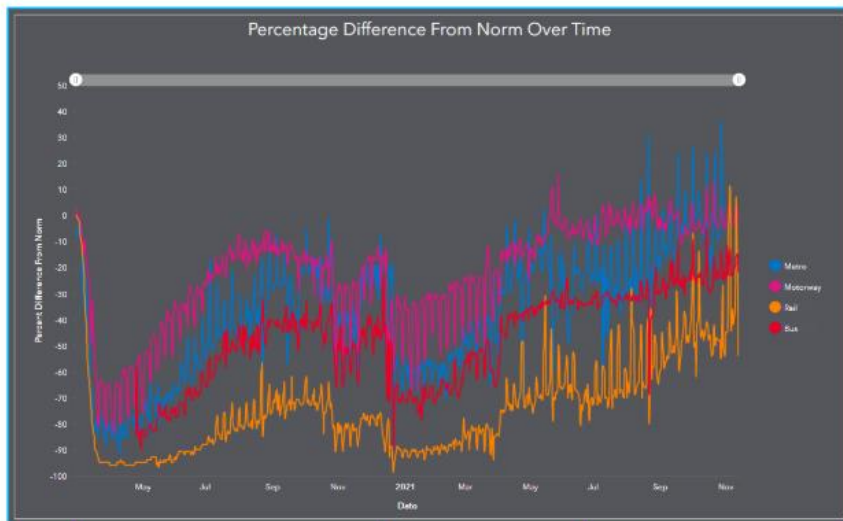


Where are night-time visitors coming from now?
(Last week of November)



SOURCE: Centre for Cities High Street Recovery Tracker (Data period: 13 February 2020 to 31 October 2021)

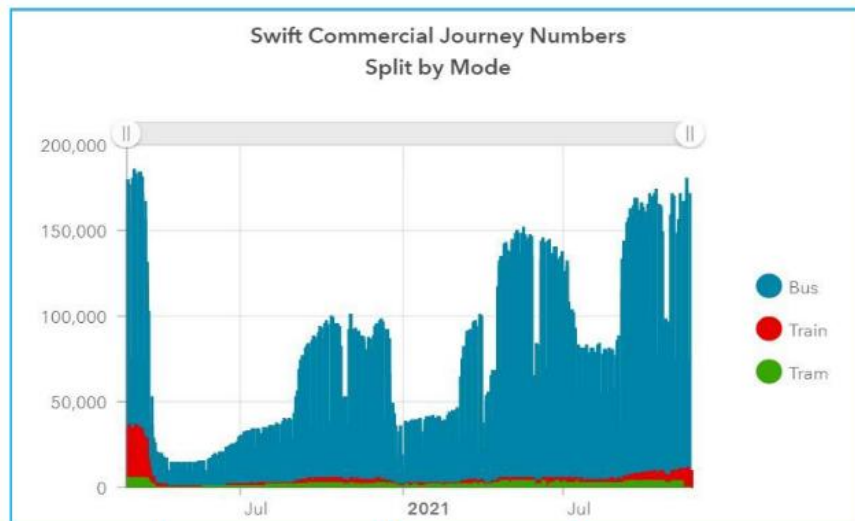
Changes in modes of transport since 2020



LOCKDOWN #1

LOCKDOWN #2

RESTRICTIONS REMOVED



LOCKDOWN #1

LOCKDOWN #2

RESTRICTIONS REMOVED

SOURCE: TFWM Data Insight Hub

Birmingham's Clean Air Zone

NEXT STEPS

Other cities are using similar schemes to address the challenge of poor air quality

CLEAN AIR ZONES

LIVE	2021	2022	BEYOND
YORK Non charging CAZ January 2021		BRADFORD CAZ C January 2022	LIVERPOOL CAZ TBC
BATH CAZ C March 2021		BRISTOL CAZ D	
BIRMINGHAM CAZ D 1 June 2021		G. MANCHESTER CAZ C	
PORTSMOUTH CAZ B 29 November 2021		SHEFFIELD CAZ C	
		NEWCASTLE CAZ C	

OTHER SIMILAR CHARGING SCHEMES

LONDON ULEZ April 2019 ULEZ expansion 25 October 2021	OXFORD ZEZ 2021	GLASGOW LEZ
		EDINBURGH LEZ
		DUNDEE LEZ
		ABERDEEN LEZ



The Clean Air Zone as an enabler of change



Additional programmes supported by the Clean Air Zone team include:

- Significant expansion of the city's electric vehicle charging points
- Purchase of 20 hydrogen buses to encourage the adoption of the technology in the city
- Purchase of up to 50 electric hackney carriages to encourage adoption of this technology within the taxi fleet

A long term ambition for zero emissions

The council is committed to taking a leading role, playing its part, and working with individuals, communities, businesses, partners, and others across the city and region to act now on the causes and impacts of the climate emergency.

The ambition was set for the council and city to become net zero carbon by 2030. This is the city's 'route to zero' (R20).

