

BRUM BREATHES

Birmingham's journey to create a clean air city

16 MARCH 2022

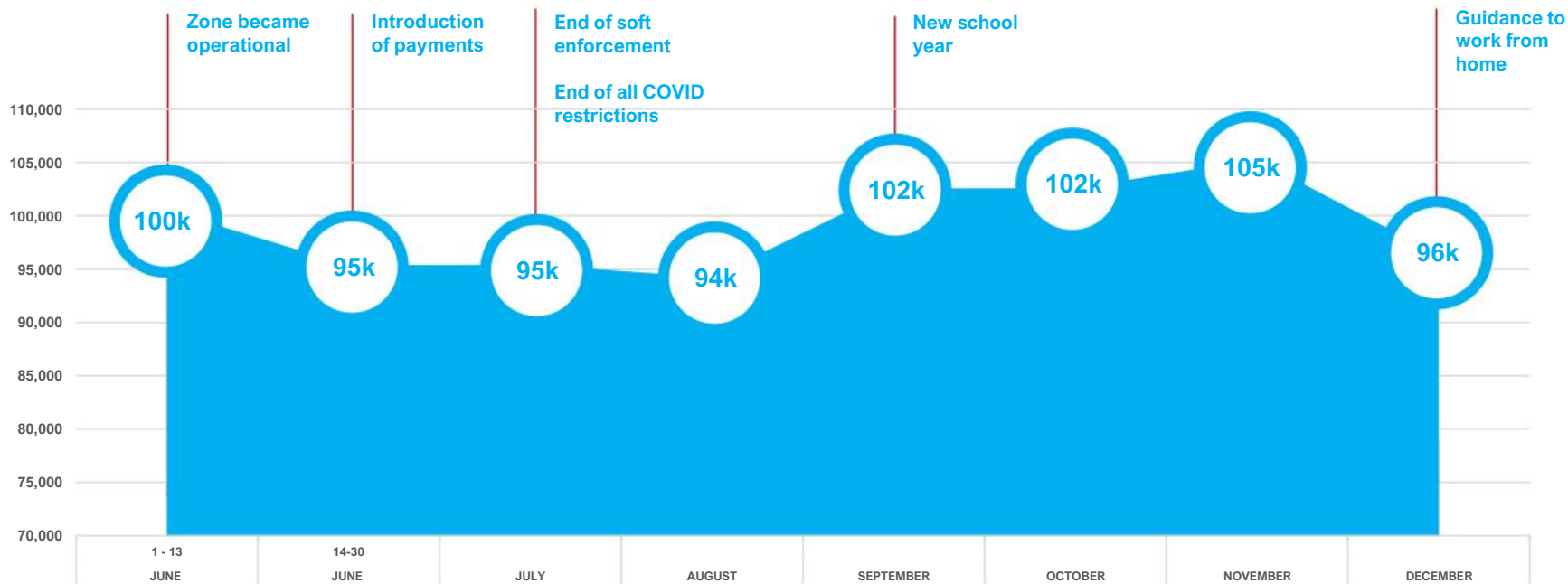


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PROVINCE
HOST
CITY

Is the Clean Air Zone creating the desired change?

DAILY AVERAGE VOLUME OF UNIQUE VEHICLES

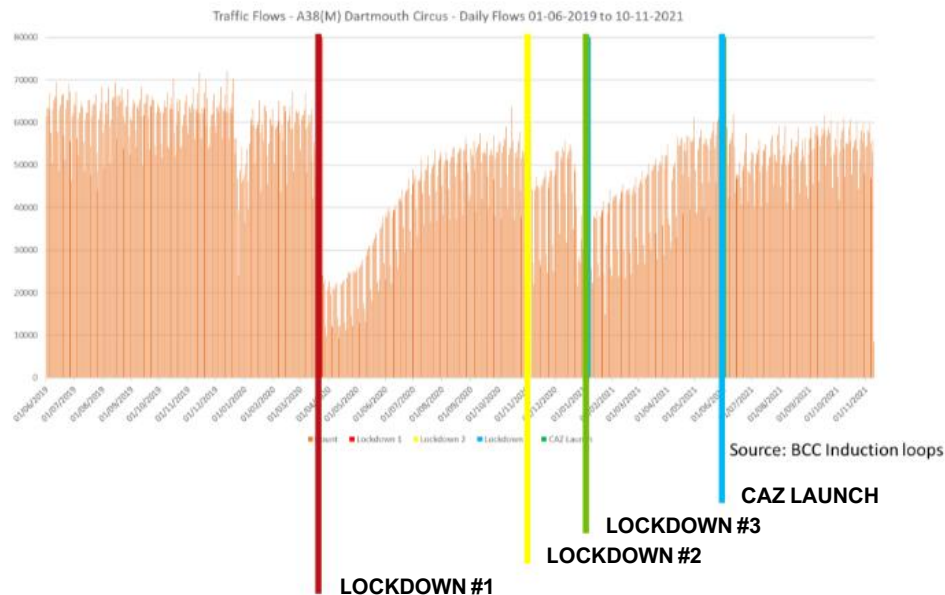


SOURCE: CAZ monthly factsheets June – December 2021 (brumbreathes.co.uk)

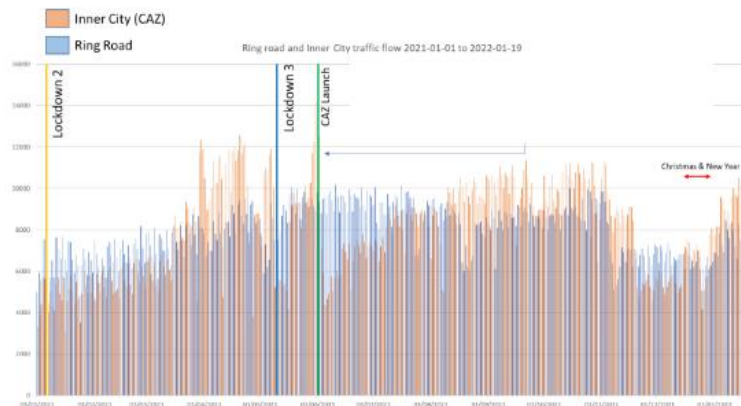
Is the Clean Air Zone creating the desired change?

ALL TRAFFIC

DAILY TRAFFIC FLOWS (A38M)



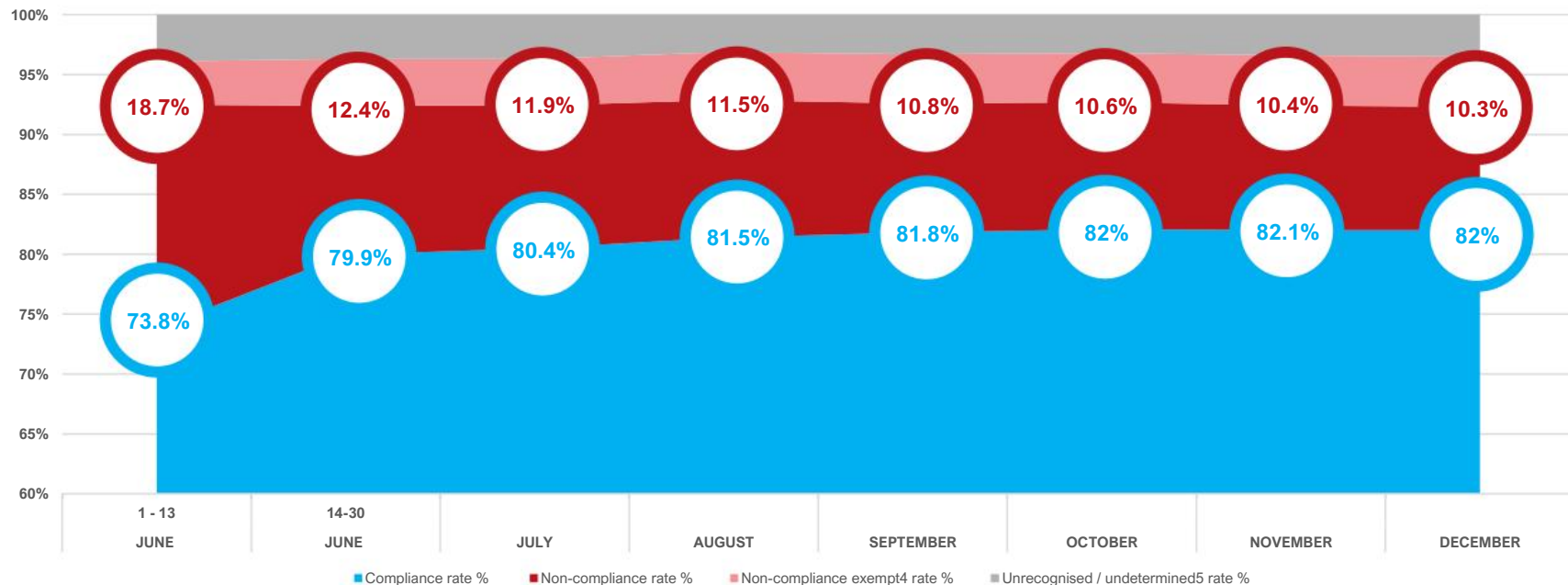
DAILY TRAFFIC FLOWS (A38M AND RING ROAD)



When the CAZ launched there was a reduction in the volume of traffic in the inner city, but there was no corresponding increase on the ring road. At the same time immediately prior to the launch of the scheme inner city traffic appears to have been elevated.

Is the Clean Air Zone creating the desired change?

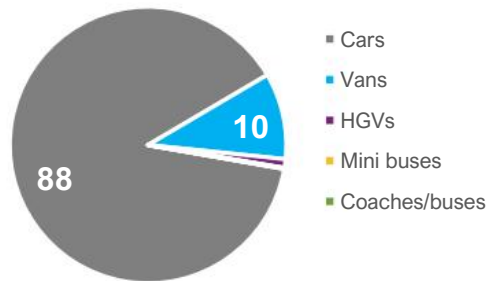
THE PERCENTAGE OF COMPLIANT v NON COMPLIANT VEHICLES (DAILY AVG)



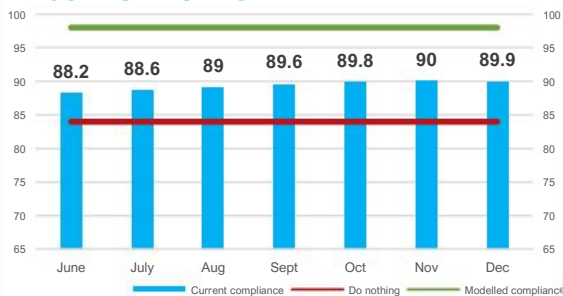
SOURCE: CAZ monthly factsheets June – December 2021 (brumbreathes.co.uk)

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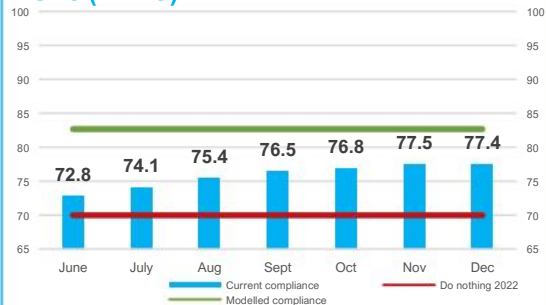
COMPOSITION OF THE FLEET



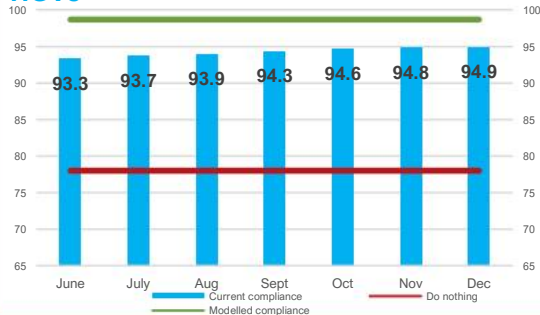
PASSENGER CARS



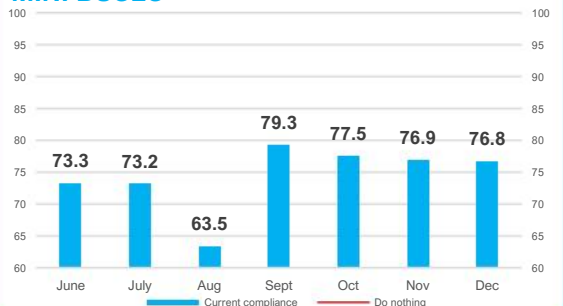
LGVs (VANS)



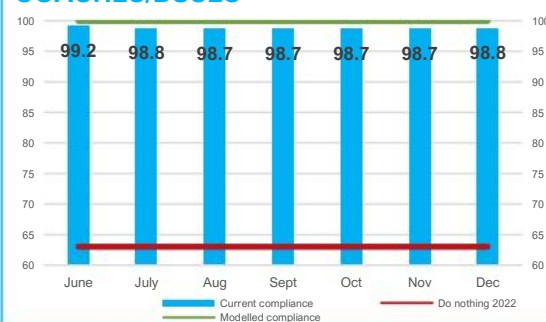
HGVs



MINI BUSES



COACHES/BUSES



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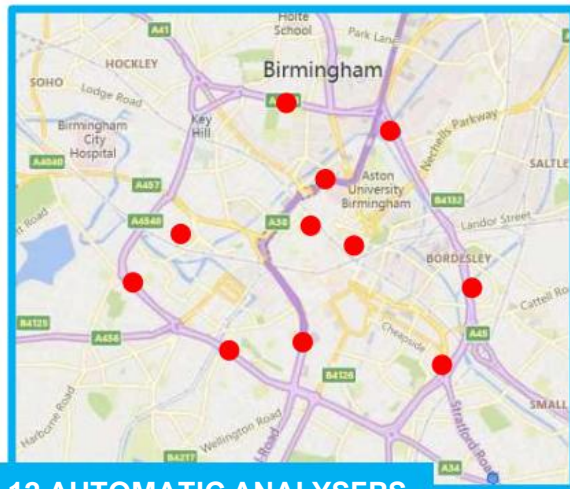


Our journey to becoming a clean air city

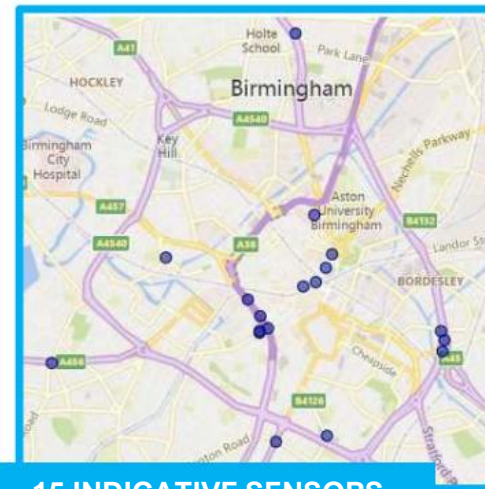
THE CITY HAS A LARGE NETWORK OF MONITORING EQUIPMENT ACROSS THE CITY CENTRE AND RING ROAD.



60+ DIFFUSION TUBES



12 AUTOMATIC ANALYSERS



15 INDICATIVE SENSORS

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Is the Clean Air Zone creating the desired change?

CHANGES TO THE FLEET

	JUNE 2021	DECEMBER 2021
	RATES OF COMPLIANCE	
ALL UNIQUE VEHICLES	79.8%	88.8%
PASSENGER CARS	81.8%	89.9%
LGVs (VANs)	63.3%	77.4%

REDUCTIONS TO THE LEVELS OF NO2

	2019 to 2021
CLEAN AIR ZONE	-13%
RING ROAD	-14%
WIDER CITY	-13%

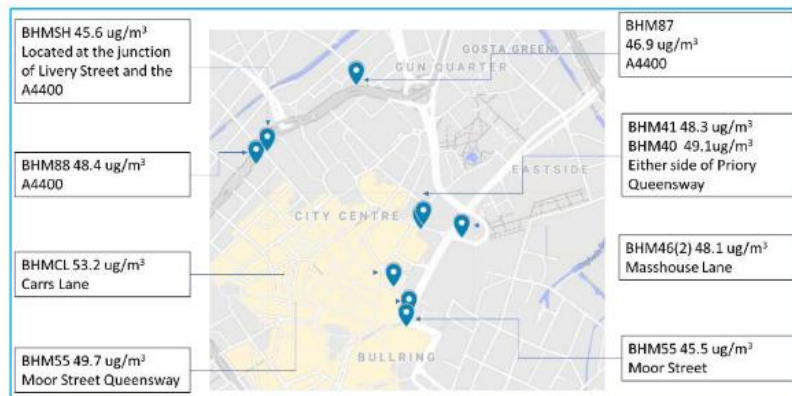
NOTE: Represents average change in recorded levels of NO2 from diffusion tubes. The readings for 2021 are based on six months' data.

Is the Clean Air Zone creating the desired change?

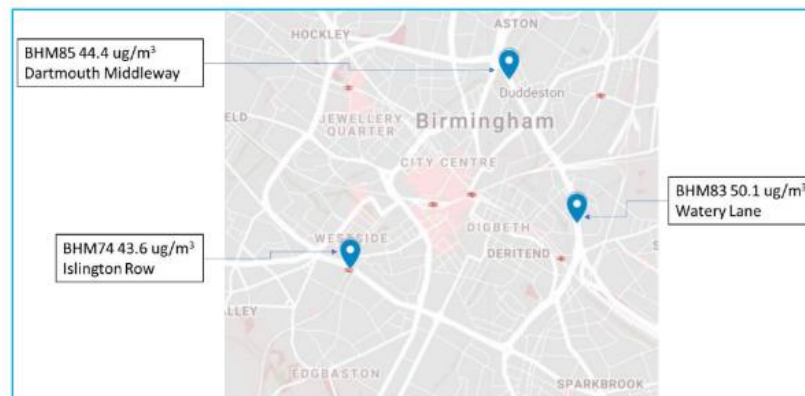
TRACKING CHANGES IN THE LEVELS OF NITROGEN DIOXIDE

	2016 to 2021	2019 to 2020	2019 to 2021	2020 to 2021
CLEAN AIR ZONE	-42%	-15%	-13%	2%
RING ROAD	NO DATA	-17%	-14%	4%
WIDER CITY	-38%	-16%	-13%	3%

LOCATIONS IN THE CAZ WITH EXCEEDANCES



LOCATIONS ON THE RING ROAD WITH EXCEEDANCES





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