

# Bradford Clean Air Zone



We have a Clean Air Zone (CAZ) to improve air quality and reduce pollution to within legal limits, benefitting the health of everyone who lives and works in Bradford

The CAZ will also reduce Carbon Dioxide equivalent (CO<sub>2</sub>e) transport emissions by over 150,000 tonnes.

[www.bradford.gov.uk/breathe-better-bradford](http://www.bradford.gov.uk/breathe-better-bradford)

**Department of Place  
Sustainability Service**

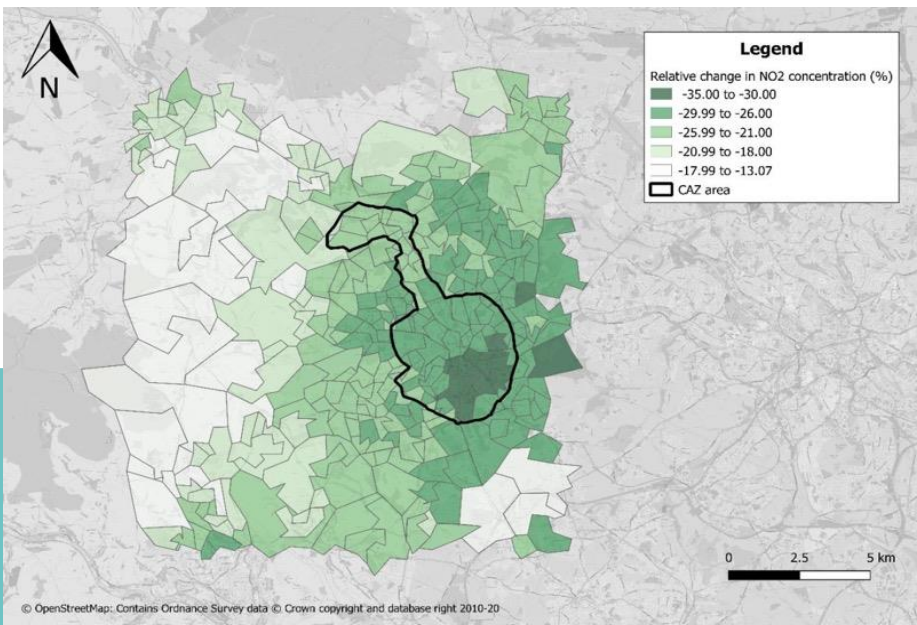


# Why does Bradford have a Clean Air Zone ?

- NO<sub>2</sub> Exceedances A650, Mayo Avenue, Tong Street, Manningham Lane, Queens Road and Bingley Road, Saltaire
- The CAZ will ensure legal limits for NO<sub>2</sub> are met
- Biggest improvements in areas with highest deprivation



NO<sub>2</sub> levels in 2018

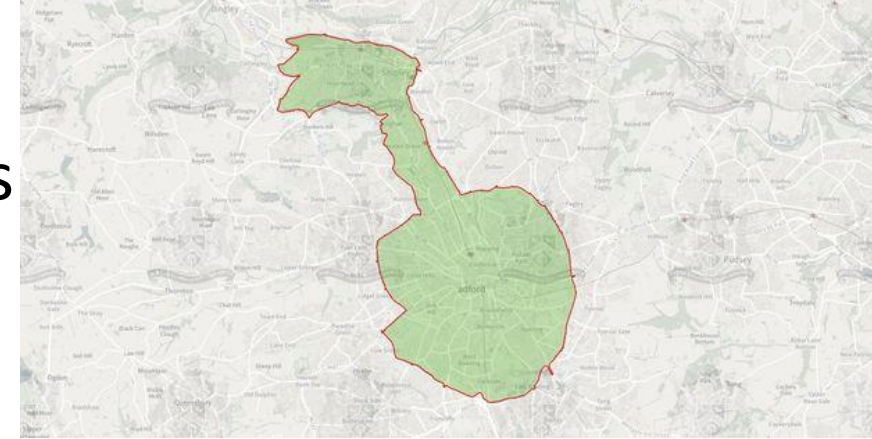


Improvements in NO<sub>2</sub> across the District with the CAZ



# CAZ - How does it work?

- Ministerial Direction - Provision in Transport Act 2000
- 330 automatic number plate recognition
- cameras along the boundary and inside the zone
- Data sent to Central Service (DVLA)
- Non-compliant, older ~2015/16 commercial vehicles
- Identified (~4% of traffic)
- National & Local white list
- Charges collected centrally by DVLA
- Unpaid journeys processed by Local Authority
- The most effective Clean Air Zone does not take any charges
- Charges are legally ringfenced for sustainable transport





# IN THE NEWS



## Bradford: Clean Air Zone charges to fund school pollution schemes

20 March



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Abigail Thomas said the new



## Bradford CAZ: City's air cleanest since records began, says council

22 September 2023



21 July 2023

By-elections 2023









Sign up for the Bradford Clean Air Zone news and updates, submit your email address here

Next

[Breathe Better Bradford](#) | [What help is available](#)



## What help is available?

- £1.63m** to support buses (grant circa £16,000)
- £1.66m** to support coaches (grant circa £16,000)
- £11.74m** to support taxis (grants from £3,200 to £5,000)
- £6.42m** to support HGVs (grants up to £16,000)
- £10.18m** to support LGVs (grants up to £4,500)
- £175,500** to support minibuses (grants up to £4,500)

All residents of Bradford District 1 Exemption  
SME Businesses can have 3 exemptions (+ grants)  
This includes self-employed  
Does not include cars/motorbikes  
Exemptions for community transport, charities

**85% of the older commercial vehicles causing the problem come from outside Bradford**

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METROPOLITAN DISTRICT COUNCIL

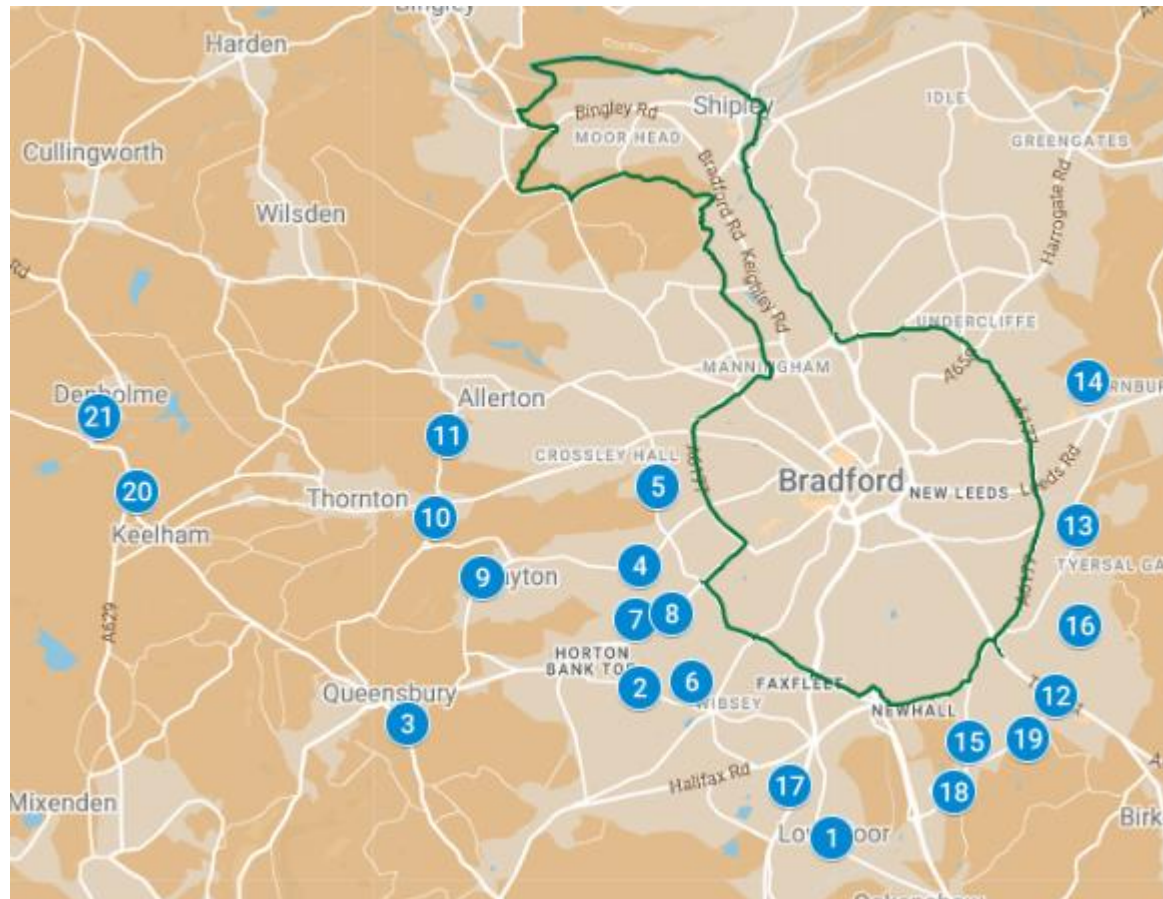


# Displacement Data – Traffic Monitoring

Site	Location	Post CAZ - Nov	
		avg % commercial	+/- % change avg % commercial vehicles (against pre-CAZ Baseline)
Site 1	Cleckheaton Road	23.03%	-0.50%
Site 2	Beacon Road	16.37%	-0.17%
Site 3	Brighouse & Denholme Road	18.07%	+0.68 *
Site 4	Clayton Road	10.11%	-0.55%
Site 5	Cemetery Road	11.52%	-0.01%
Site 6	Moore Avenue	10.42%	-0.79%
Site 7	Hollybank Road	8.97%	-1.01%
Site 8	Gt Horton Road	8.95%	-0.25%
Site 9	The Avenue	13.65%	-0.96%
Site 10	Chat Hill Road	12.91%	-0.35%
Site 11	Allerton Lane	13.41%	-1.25%
Site 12	Tong Street	23.42%	-0.66%
Site 13	Dick Lane	14.66%	-1.50%
Site 14	Gain Lane	10.96%	-1.12%
Site 15	Bierley Lane	14.63%	-1.01%
Site 16	Broadstone Way		Camera stolen **
Site 17	Netherlands Avenue	9.80%	-1.96%
Site 18	Rockhill Lane		Camera stolen **
Site 19	Shetcliffe Lane		Camera stolen **
Site 20	Brighouse Rd		Road Closure
Site 21	Main Road, Denholme	20.91%	-0.51%

October data only camera stolen in November

\*The Police have made an arrest following the theft of cameras



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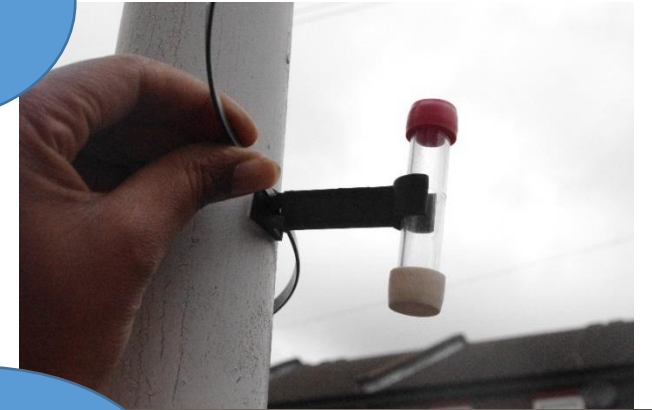
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# Monitoring Air Quality

3 PM<sub>10</sub> &  
PM<sub>2.5</sub>  
Monitors



300  
new  
nox  
tubes



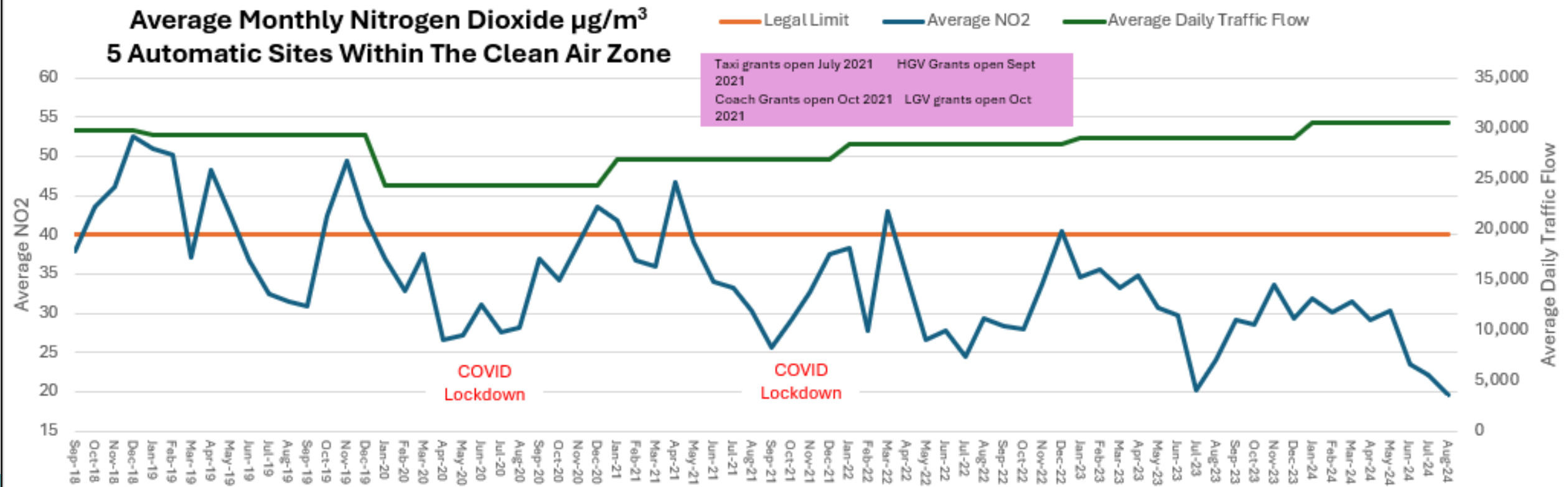
7 real time  
Nox  
stations





# Air Quality is improving

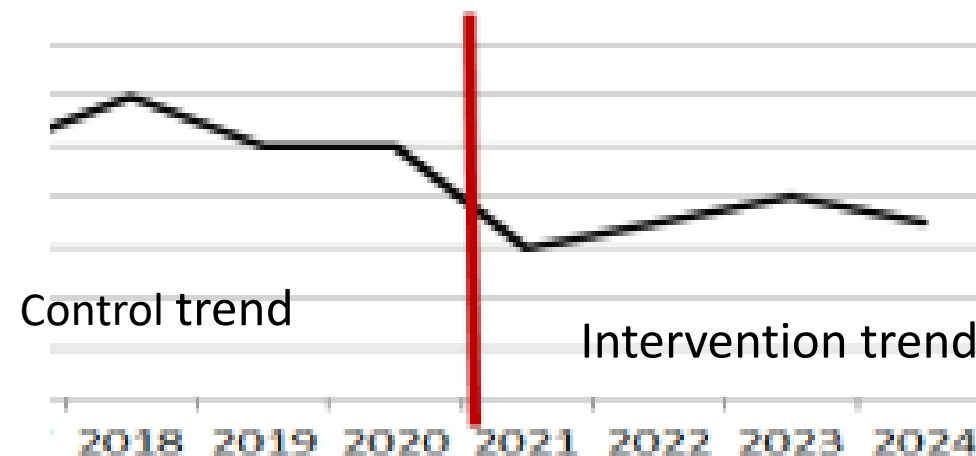
Data has been collected at air quality monitoring sites inside the CAZ.



This summer has seen the lowest recorded levels of NO<sub>2</sub>.



## Time series analysis



What is the impact of the Bradford Clean Air Plan on respiratory health cardiovascular health and birth outcomes?

How does the Bradford Clean Air Plan impact on health inequalities?

What is value for money of the Bradford Clean Air Plan 3 years post implementation and longer term?

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# Fewer GP visits per month

598  
Respiratory

25%



134  
Cardiovascular

24%



## Breathe Better Bradford



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# CAZ Revenue

CAZ charge revenue	£9,750,197
PCN	£16,119,443
CS charge	£1,362,178
Net revenue	£24,507,462

HGV/Bus/Coach	£50
LGV/minibus	£9
Taxi	£7
Private car	No Charge





# Clean Air Schools Programme

The Bradford Clean Air Schools Programme (CASP) is a Bradford Council initiative funded by the Bradford Clean Air Zone (CAZ).



The CASP seeks to further improve air quality at schools by providing targeted funding direct to schools to help them implement bespoke emission and exposure reduction measures ensuring schools become cleaner, healthier places for Bradford's children.

This will be done via grants, enforcing anti idling legislation and working on engagement projects.

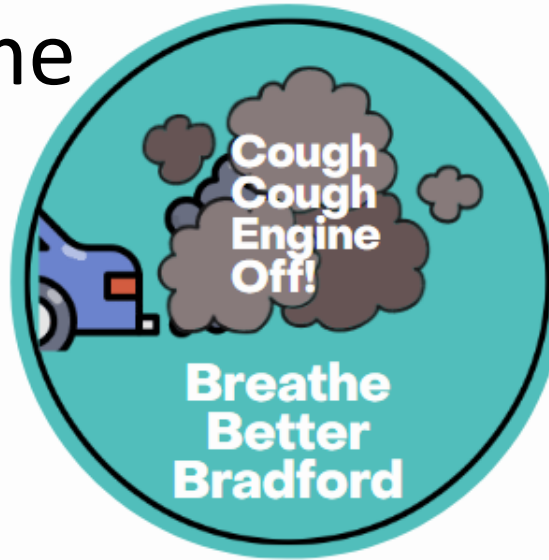
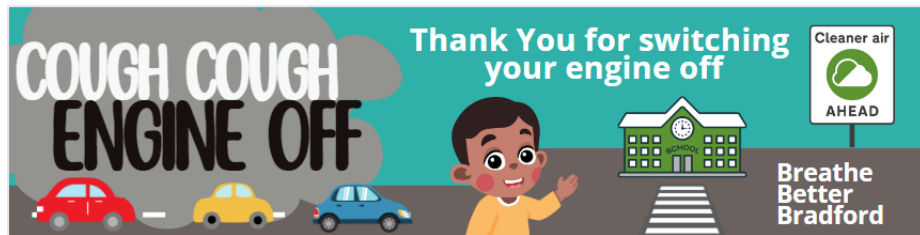
<https://www.bradford.gov.uk/breathe-better-bradford/what-help-is-available/clean-air-schools-grant-programme/>

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# Clean Air Schools Programme

- £500,000 school grants
- Engagement programme
- 5 Wardens





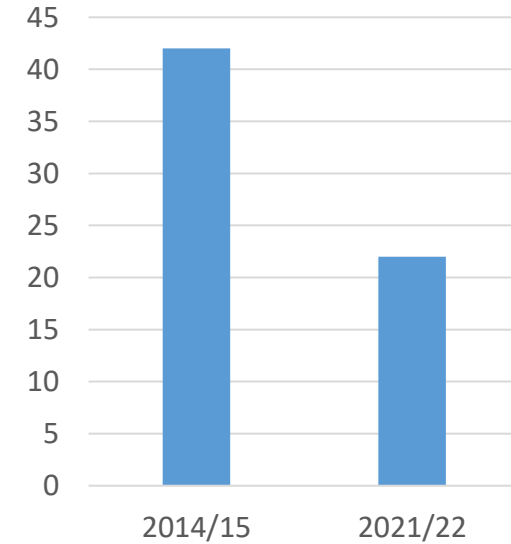
# CO2 emissions

CO2e describes the global warming potential of all greenhouse gases.

The Council has almost halved its CO2e emissions.

2014/15 = 42,000 tonnes

2021/22 = 22,000 tonnes.



## Net Zero key dates

Bradford Council declared a climate emergency **2019**

Aiming to make significant progress by **2030**

The West Yorkshire Mayor and Authorities including Bradford Council are committed by **2038**

The Government has set a target of achieving net zero by **2050**

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# Electric Vehicle Grants

## Bradford Licenced Taxi Trade

£4.1m for upgrade of licensed taxi vehicles to a fully electric vehicle.

Grants of up to £10,000 per vehicle are available for running costs of a fully electric vehicle licensed with Bradford Council ,there has been over 1,000 applications



## Bradford Heavy Goods Vehicles

Bradford Council are providing a revenue grant to support the operations of a fully electric HGV. We will report on the driving experience, use vehicle telematics information to work out the savings compared to a non-electric HGV.



<https://www.bradford.gov.uk/breathe-better-bradford/what-help-is-available/grants/>

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# CAZ Benefits For Bradford

- Measurable improvements in health ([Bradford CAZ - published paper](#))
- Reductions in pollution, with the biggest reductions in the most deprived areas
- Additional investment from Government £46m for the CAZ and additional £8m for zero emission bus upgrades in 2025.
- Fleet transformation to the cleanest taxi fleet in the UK with mainly petrol hybrid plus 800 electric vehicles, supported by the Councils grant scheme.
- CAZ provides a ringfenced revenue stream which provides a platform for public and private inward investment in clean growth such as;
  - i) The largest Green Hydrogen production facility in the UK (2026)
  - ii) District Heat Network
  - iii) E-bike hire scheme, Industrial decarbonisation and many other projects



# Contact

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Environment Manager

Bradford MDC

## The Clean Air Zone is supporting



Clean Air  
Schools  
Programme



Green  
jobs



Bradford  
Manufacturing  
Futures



District Heat  
Network



Bradford Bike  
Hire scheme



Growth and  
investment



Low Carbon  
Hydrogen  
programme



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