

Nottingham's approach to the Clean Air Zone



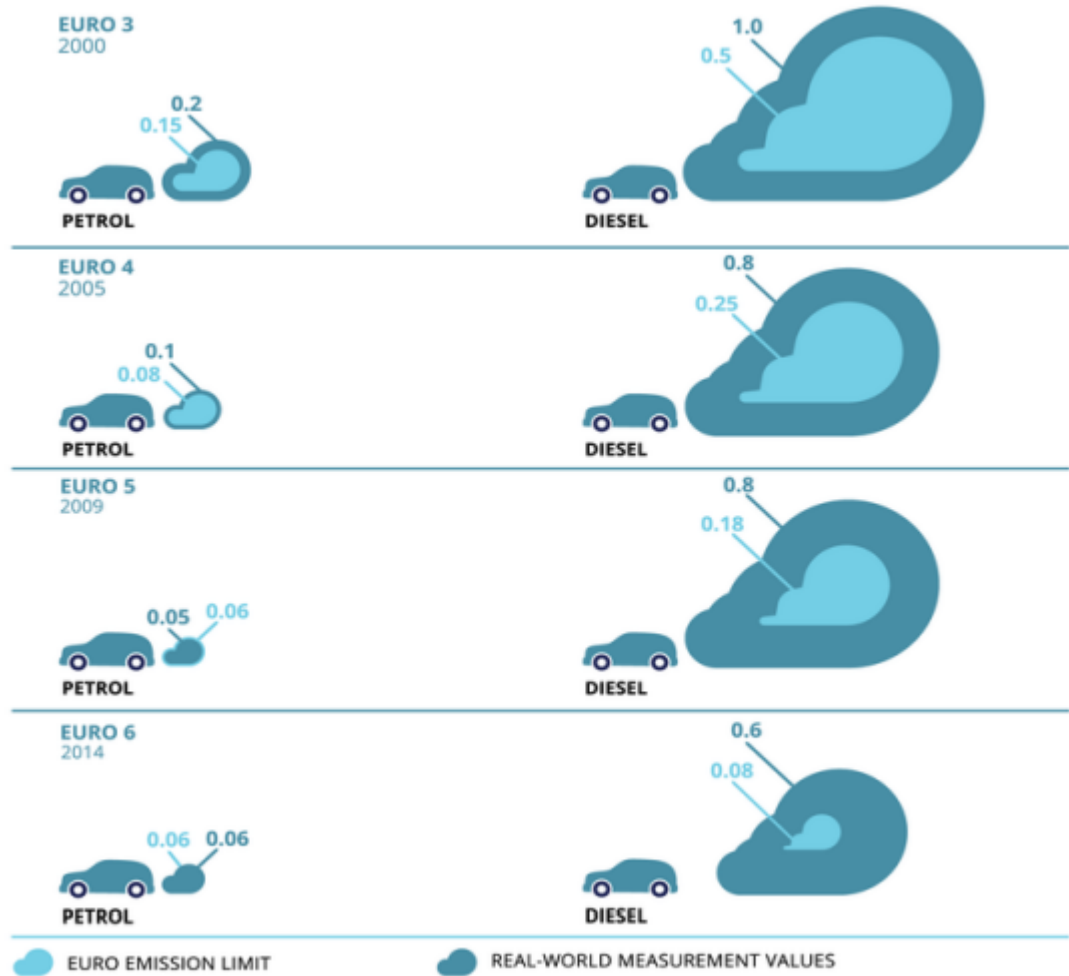
James Ashton
Nottingham City Council

Nitrogen Dioxide & the law

Legislation	Hourly	Annual
EU First Daughter Directive (99/30/EC)	200 $\mu\text{g m}^{-3}$ With No more that 18 exceedences per year	40 $\mu\text{g m}^{-3}$
Air Quality Strategy (2000)	200 $\mu\text{g m}^{-3}$ With No more that 18 exceedences per year	40 $\mu\text{g m}^{-3}$

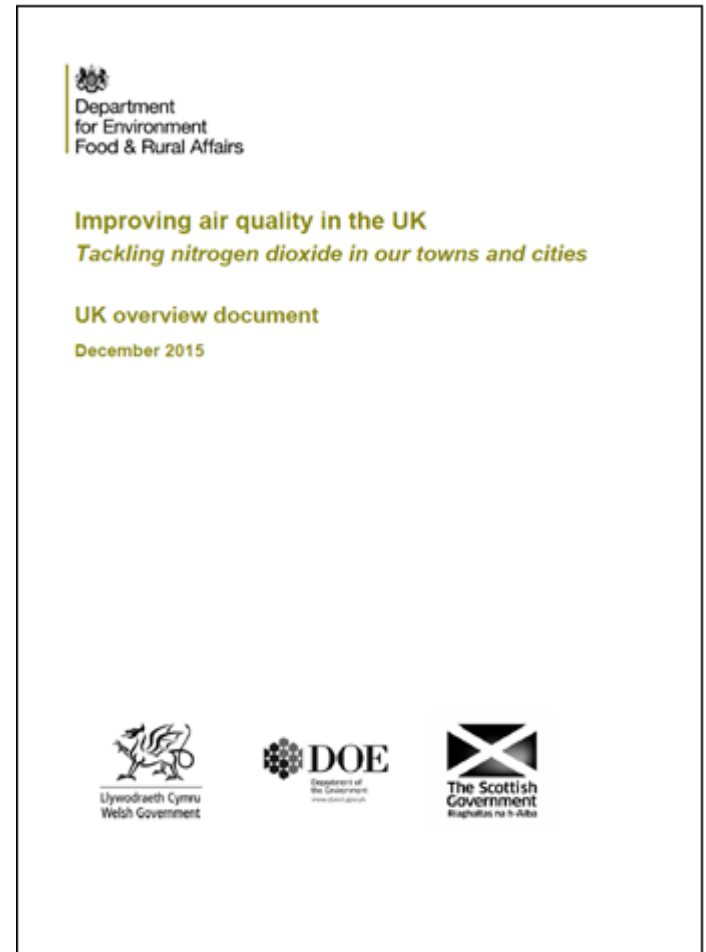
Nitrogen Dioxide – Emissions

Emissions not reducing as fast as expected.



Background - The Old Plan

- Published 17th December 2015
- Aimed to improve peoples health
- Transport Identified as the main issue
 - Accelerate transition to low emission fleet
 - Clean Air Zones to deliver concerted action in challenging areas
 - Support for Alternative modes
- Underpinned with action on other sources



Background – The New Plan

- Published in July 2017
- Additional Local Authority areas now identified as requiring improvements to Air Quality
- Less detail than the old plan
- Emphasis on Local Authorities to resolve the problem



UK plan for tackling roadside nitrogen dioxide concentrations

Detailed plan

July 2017



Scottish Government
Riaghaltas na h-Alba
gov.scot



Department of
Agriculture, Environment
and Rural Affairs
www.dera.gov.uk



Llywodraeth Cymru
Welsh Government

Nottingham



Legend

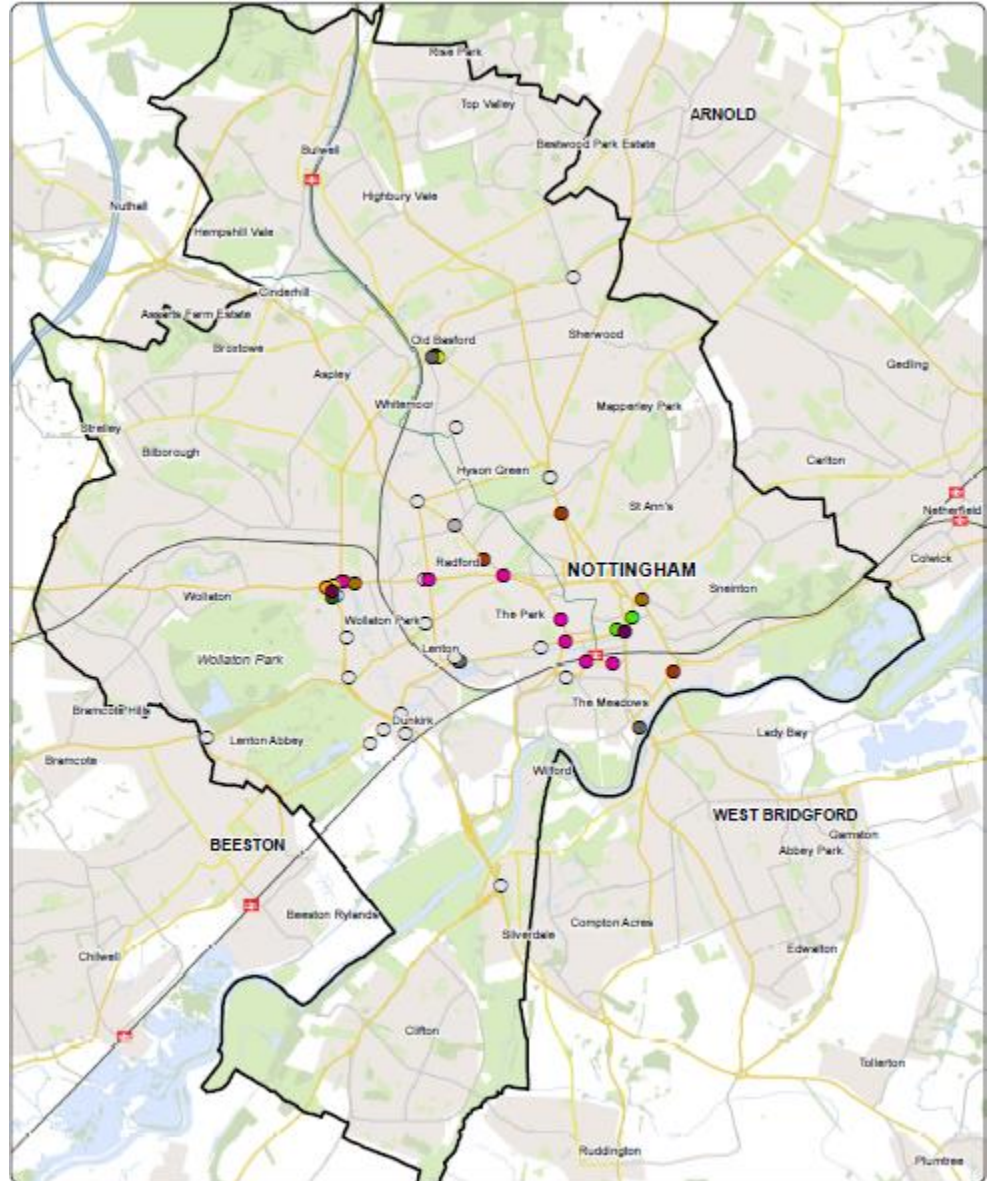
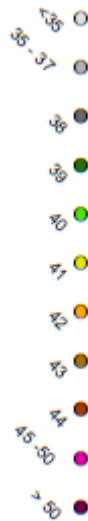
NO₂ concentrations
(2020 µg/m³)

>40

38-40

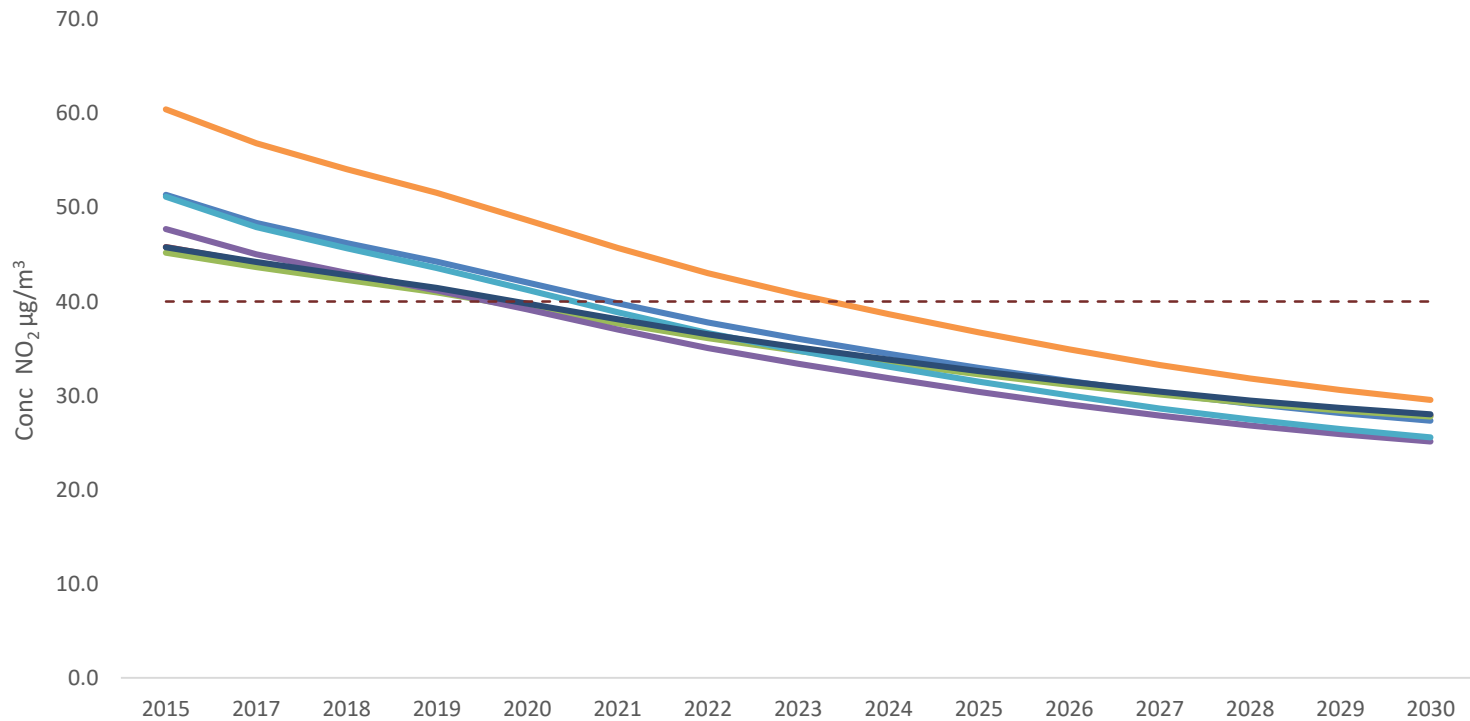
Air Quality Monitoring

- The City Council monitors Air Quality
- Monitors placed at key points throughout the City
- 5 Real Time analysers and lots of diffusion tubes



Streamlined PCM results

Streamlined PCM results for selected locations



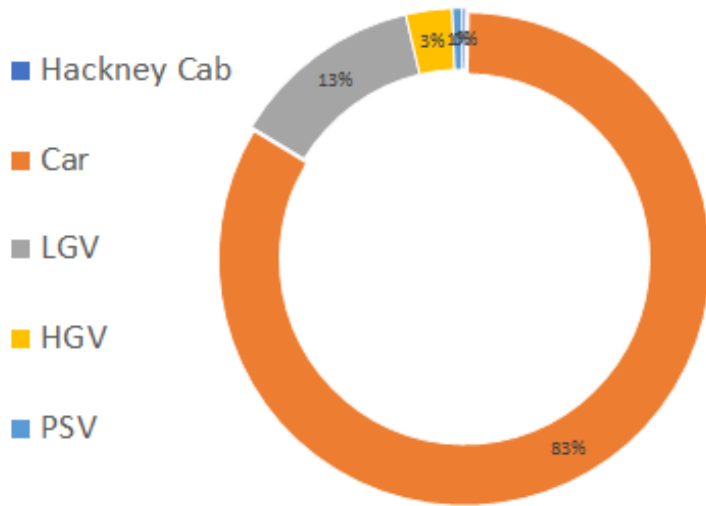
- Clifton Blvd (near showcase)
- A52 Between QMC and Uni
- North of BBC Island
- London Road N of Queens Rd
- Middleton Blvd near hawthawn Cres
- Compliance Limit
- Bridge over canal south of BBC island
- Crown Island



Sources of Nitrogen Dioxide

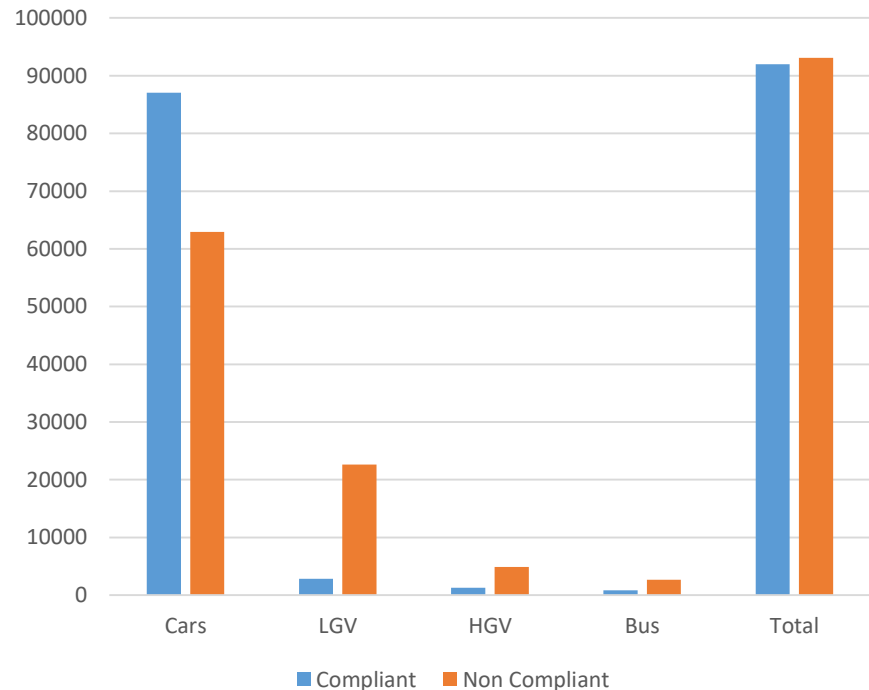
- Transport Is Responsible for 80% of emissions at the roadside
- The majority of the vehicle fleet in Nottingham are cars.

Percentage of vehicles captured by class



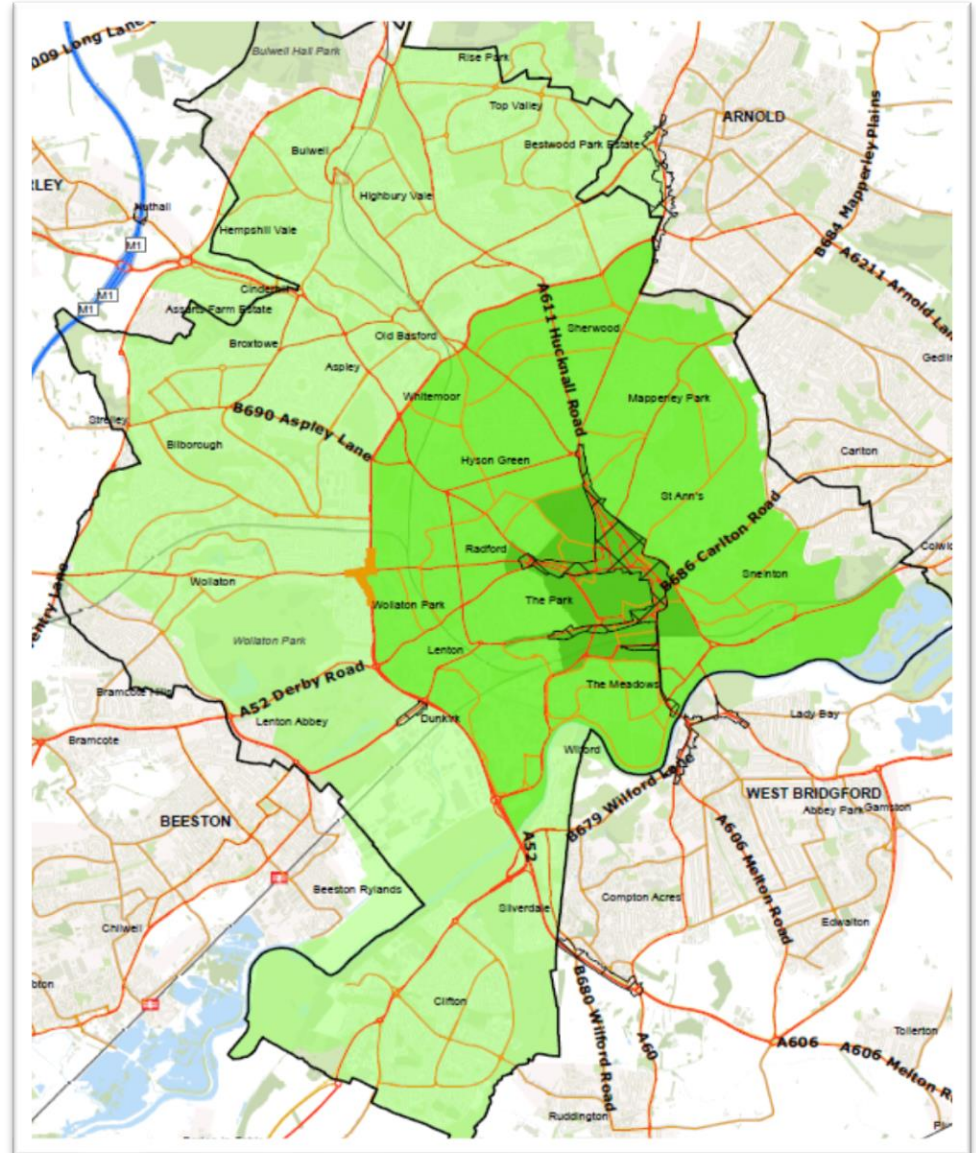
Class	Count	%
Hackney Cab	197	0%
Car	62516	83%
LGV	9478	13%
HGV	2281	3%
PSV	482	1%

Compliance by Vehicle Type (ex taxis)

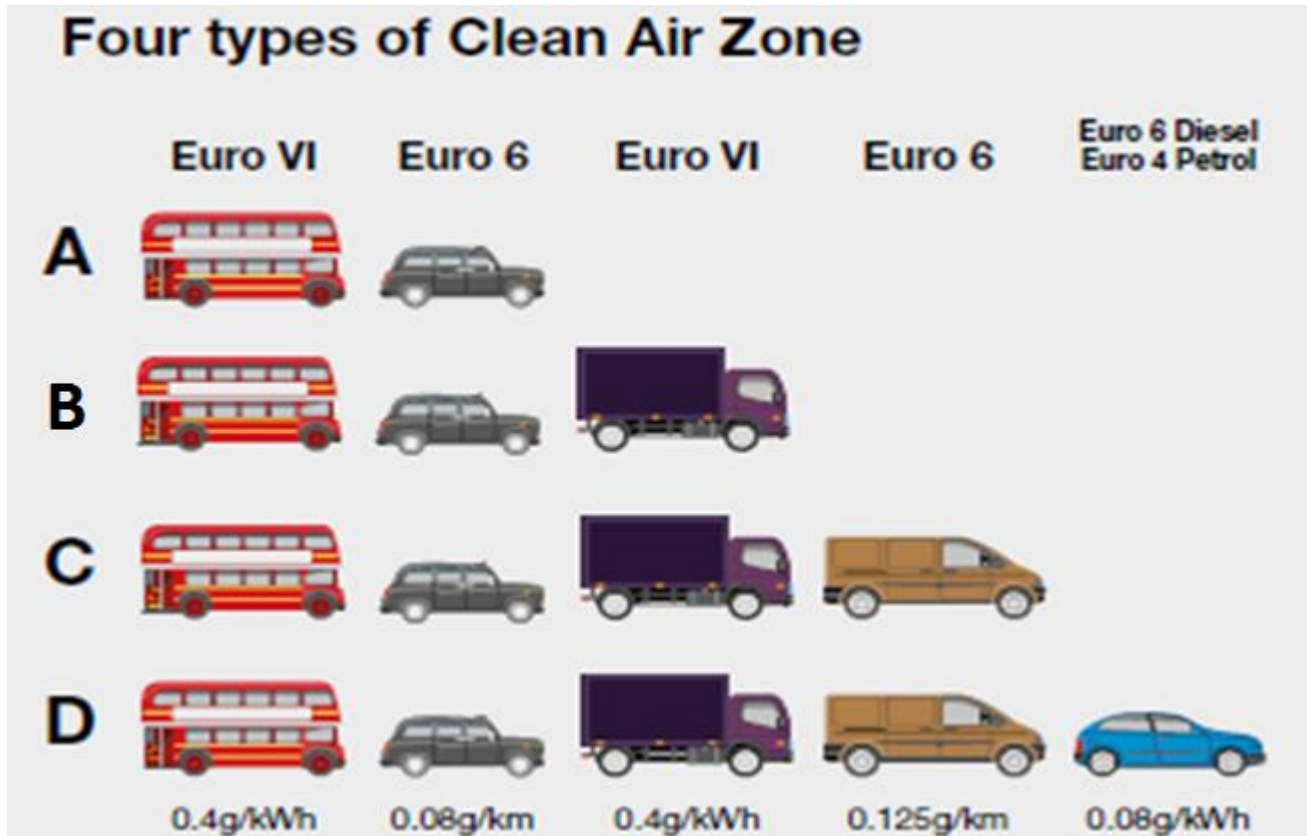


Modelling - Options

- City Centre
- Ring Road
- Entire City
- Possibly into neighbouring authorities



Vehicular CAZ Options?



The current situation

- Option testing
- Determine the geographical extent of the CAZ
- Sign design
- Communications
- Charging levels
- Construction



Timescales

2016

- Early Feasibility work
- Outlining methodology
- Scoping Study

2017

- Early Consultation with Key Stakeholders (Feb - May)
- Revised Plan – Understanding impacts & Consultation (May/June)
- Procurement of consultants (June – Aug)
- Analysis to find Geographic extent of CAZ and complete final business case (Sept – Feb 18)

2018

- Submit our Proposals to Secretary of State (Mar)
- Secretary of State Sign off (Apr)
- Finalise Legal Orders (Jun – Apr)
- Public Consultation (Summer)

2019

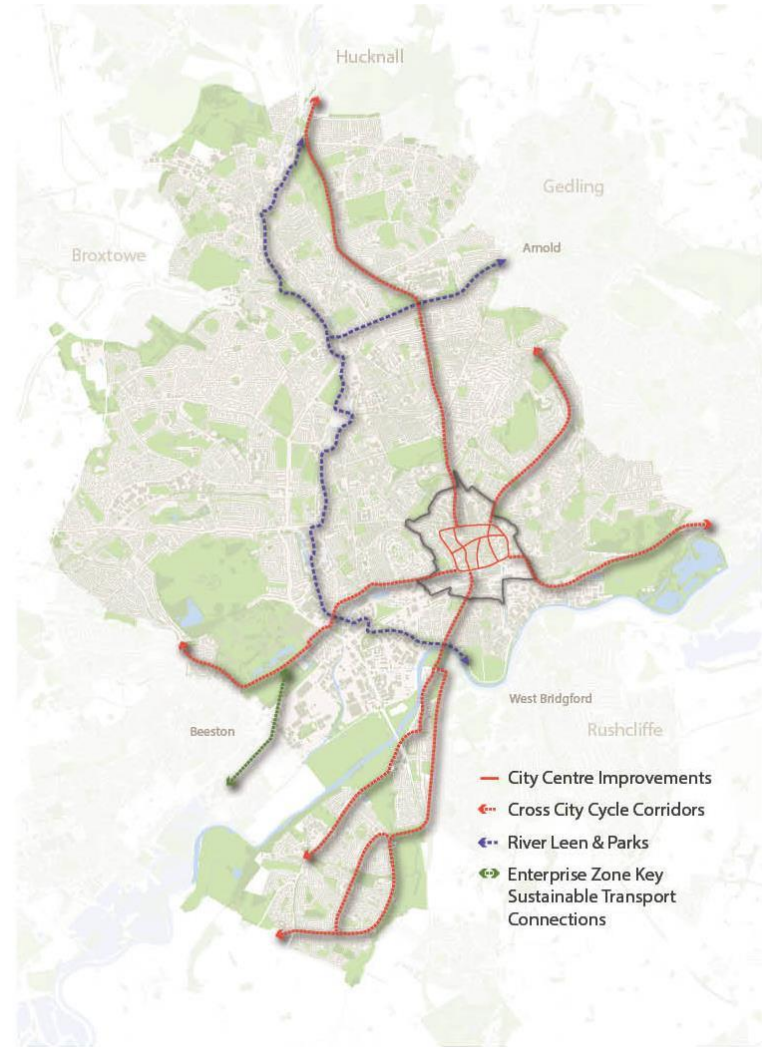
- Detailed Design (Jan -Jul)
- Installation (signing and cameras)
- CAZ in place (Sept)

2020 CAZ in Place 1st Jan

Investing in public transport



Cycle Ambition



Go Ultra Low City



www.goultralownottingham.org.uk



Thank you for listening!

James Ashton
Transport Strategy Manager

<http://goultralownottingham.org.uk/>

[www.twitter/Transport_nottm](http://www.twitter.com/Transport_nottm)

