

# City Experiences - Scotland

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# Air Quality in Scotland

- Air quality has improved over the past decade, however still problems with poor air quality.
- Hotspots mainly in towns and cities exceeding EU/ Scottish air quality objectives.
- Circa 35 Air Quality Management Areas (AQMAs).
- Problem mainly NO<sub>x</sub>.
- Cleaner Air for Scotland (CAFS) strategy – cross government strategy. Aims *“to have the best air quality in Europe”*.
- CAFS and National Modelling Framework (NMF) highlighted vehicle access restriction as a mechanism to help further improve air quality in Scotland.

# Scottish Government Programme for Government (PfG)

- Annual document sets out the actions the Scottish Government will take in the forthcoming year.
- 2017-18 PfG:
  - *“Introduce Low Emission Zones (LEZs) into Scotland’s four biggest cities between 2018 and 2020.”*

# Transport (Scotland) Bill

- Prior to this, no legislative mechanism to enforce a vehicle access restriction for the purposes of air quality.
- LEZs - Part 1 of the Bill.
- In the process of going through Scottish Parliament:
  - Based on current timescales, likely to be passed through parliament in summer 2019.
- Regulations and guidance developed in parallel to parliamentary process:
  - Emission standards: subject to parliamentary approval Euro 6 diesel and Euro 4 petrol
  - Exemptions
  - Penalty charge amount (Penalty vs charging regime)

# LEZ progress

- 4 cities – Glasgow, Edinburgh, Dundee and Aberdeen
- Glasgow first city to announce LEZ plans
  - To be introduced by end of 2018
  - Phased approach over 4 years
  - Will apply to 20% buses from the launch date, increasing to 100% by December 2022
  - All vehicles will need to be compliant by end of 2022
- Other three cities are yet to announce LEZ plans
- [www.lowemissionzones.scot](http://www.lowemissionzones.scot)

# Scottish Government Programme for Government (PfG)

- Sets out the actions the Scottish Government will take in the forthcoming year.
- 2017-18 PfG:
  - *“Introduce Low Emission Zones (LEZs) into Scotland’s four biggest cities between 2018 and 2020.”*
- 2018-19 PfG:
  - *“Introduce Europe’s most comprehensive network of cutting edge remote sensing air quality monitors on local and trunk roads.”*

# Scottish Remote Sensing Project

- Network of remote sensors on both local and trunk roads.
- Project over several stages, 1<sup>st</sup> phase likely to be trunk roads only.
- Early development stages of project – technology, number of sensors and locations to be defined.
- Initial discussions with HEAT and Opus.
- Discussions also underway with ICCT/TRUE Initiative.
- Some draft objectives:
  - Review accuracy of Euro emission standards in the Scottish vehicle fleet, to help support ongoing research that existing euro emission standards are underperforming
  - Review performance of vehicle categories/ types to help detect emissions underperformance. Target vehicles having a disproportionate effect on air quality
  - If appropriate, contribute to UK emission factor inventories
  - Review potential effects of different driving conditions
  - Review real world emissions over time – could help to evaluate the effectiveness of existing road management actions (LEZs)

# Remote Sensing and Policy

- Interested to understand the application of real world emissions in Policy? How could this be incorporated into law in practical terms?
  - Could real world emissions be used instead of Euro standards for enforcement of LEZs in future?
  - Future proofing legislation.