



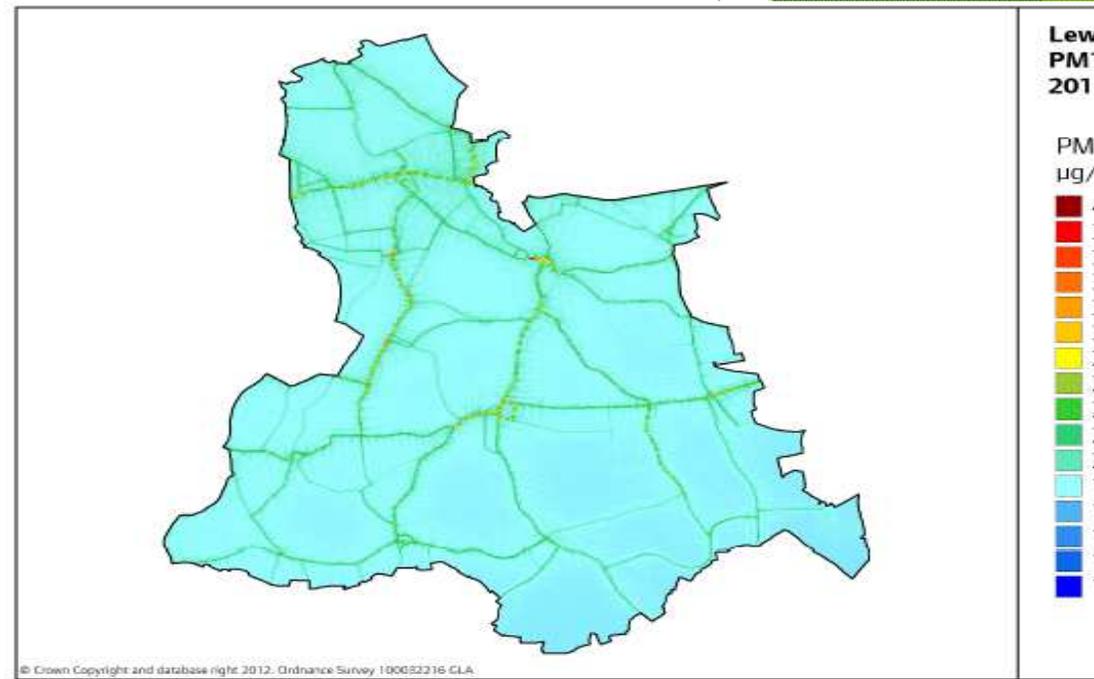
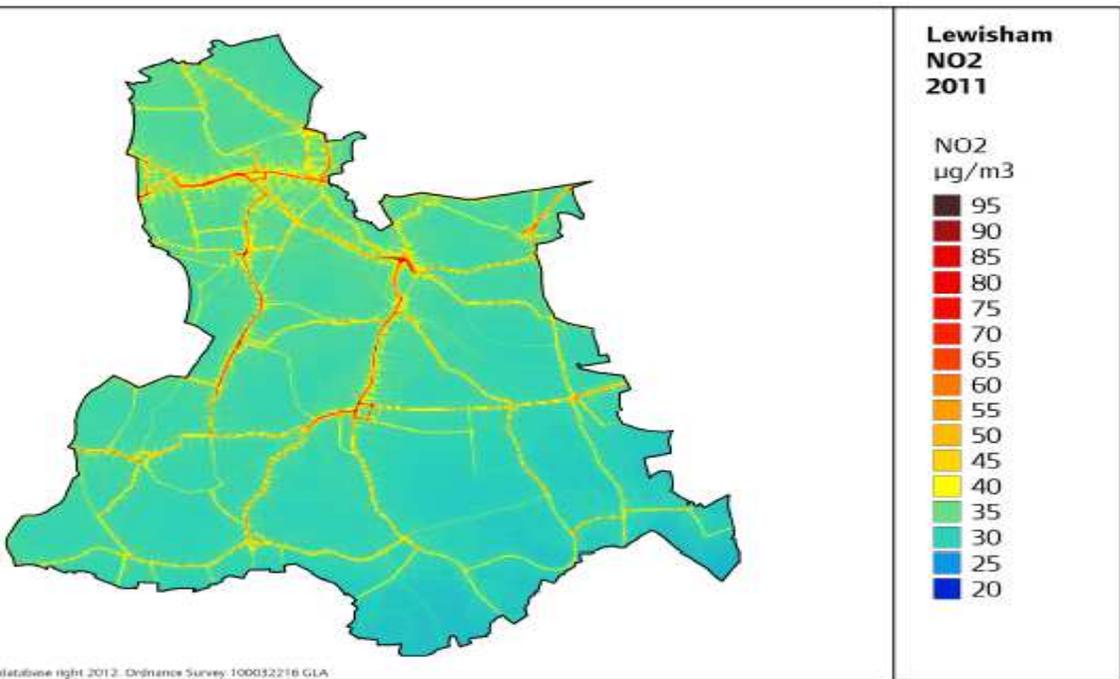
Air Quality in Lewisham

What is happening and what can we do?

Air Pollution: the largest environmental risk to public health



What are the main air pollutants?



- ▶ Carbon monoxide, nitrogen monoxide, ground level ozone, particulates, sulphur dioxide, hydrocarbons, lead.
- ▶ Weather influences build up

Quality effects everyone, but has particular health impacts on:

Children and babies in the womb

People with asthma and other lung conditions

People with cardiovascular disease

An equivalent of 9,400 deaths in London per year can be attributed to air quality related illness.

Health inequalities implications:

There is evidence that that air pollution is worse in areas of socio-economic deprivation, and that this is particularly acute in London.



The UK Picture

Legal Requirements

The 2008 ambient air quality directive (2008/50/EC) sets legally binding limits for concentrations in outdoor air of major air pollutants that impact public health such as particulate matter (PM10 and PM2.5) and nitrogen dioxide (NO2).

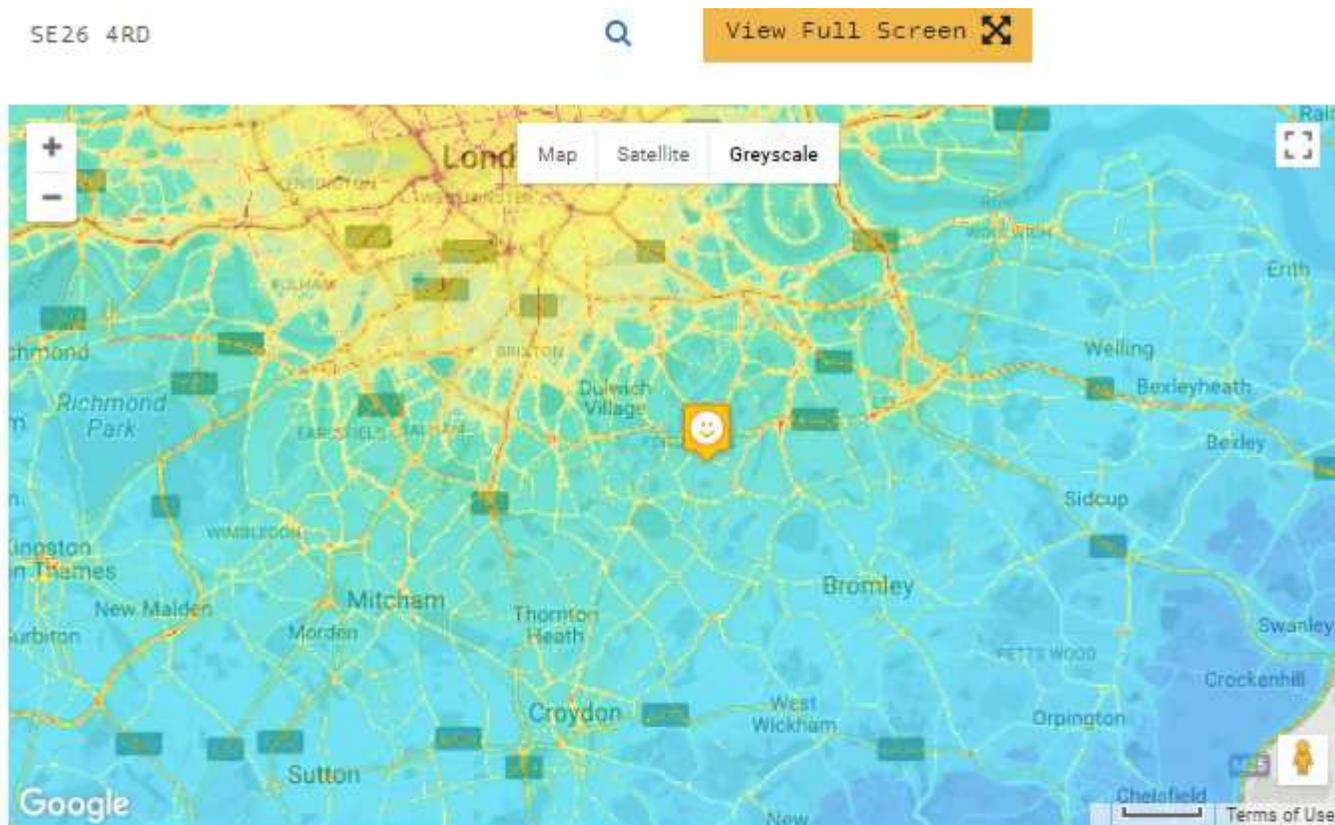
The UK Government was taken to the European Supreme Court for non compliance and ordered "that the Government must prepare and consult on new air quality plans for submission to the European Commission... no later than December 31 2015".

New Air quality plan for nitrogen dioxide (NO2) in UK was published in July 2017 after original plan in December 2015 was deemed by courts as insufficiently

As a council we are not satisfied that this plan provides enough resources of legislative action to address the scale of the problem we face

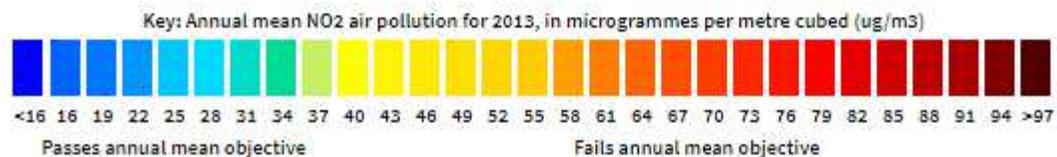


Lewisham: Air pollution worse in the north of the borough and on our main roads



Modelled annual mean NO₂ air pollution, based on measurements made during 2013.

This map was used with permission from The Greater London Authority and Transport for London, who fund, develop and maintain the London Atmospheric Emissions Inventory. For more information please visit data.london.gov.uk



Sources of Nitrogen Oxides (Nox) emissions -Lewisham

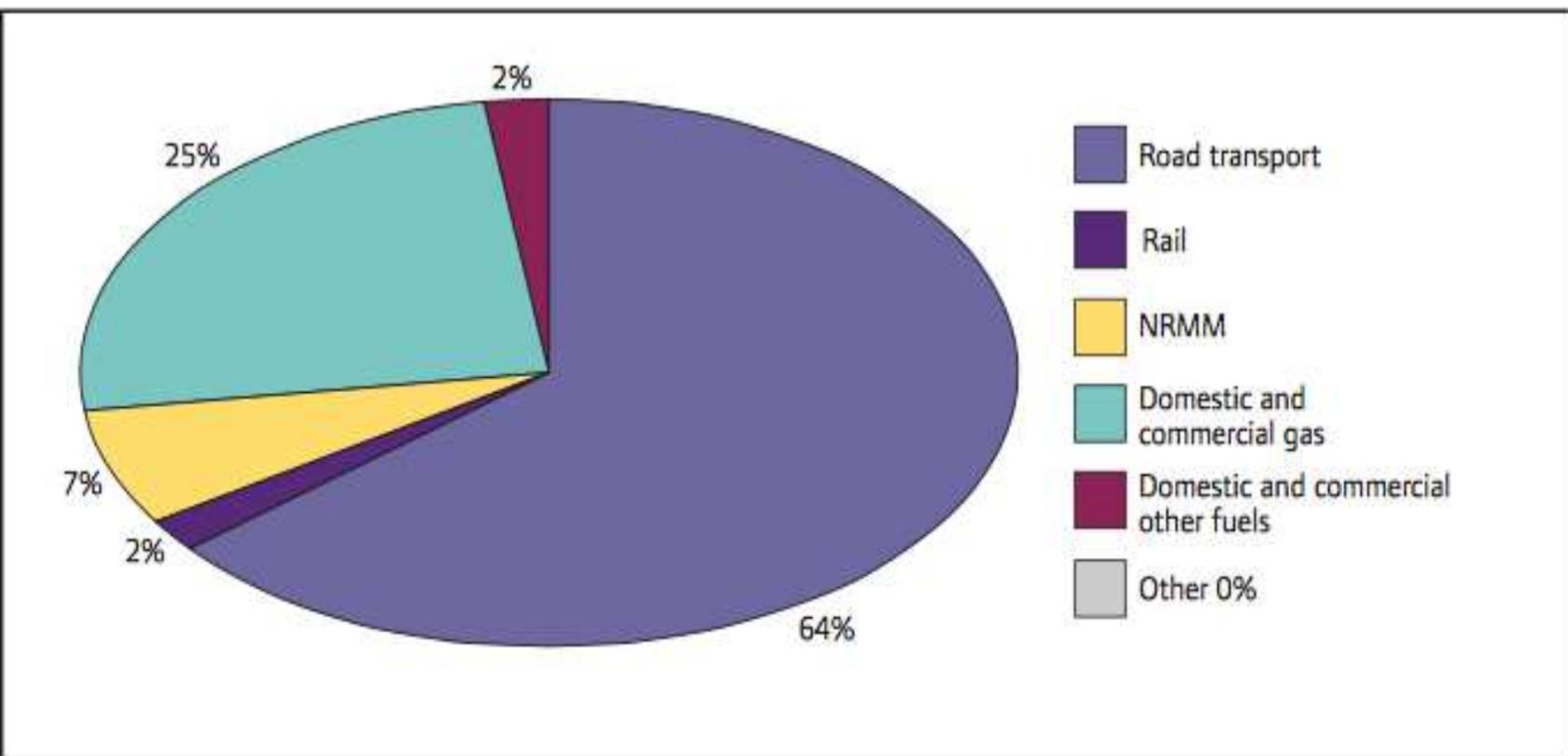
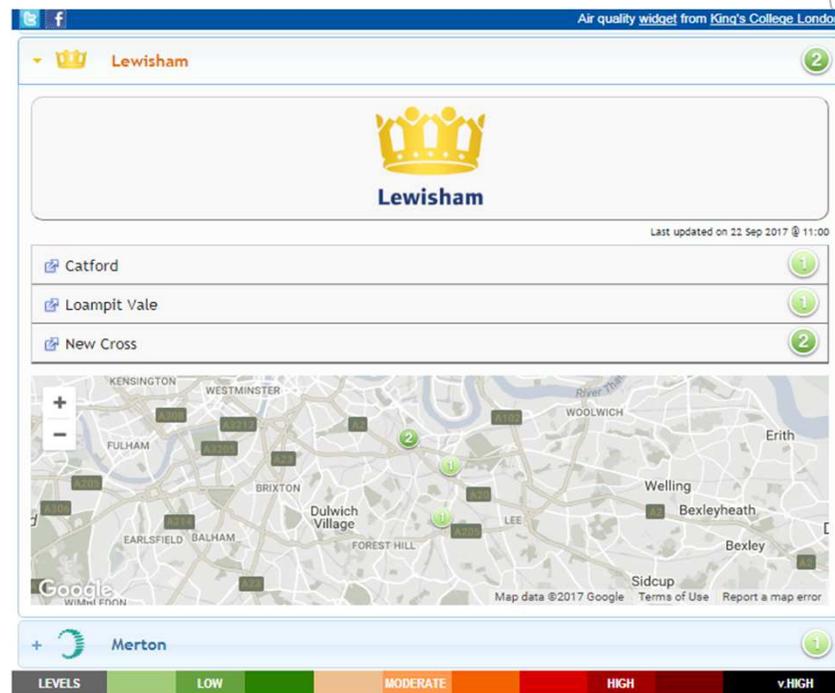
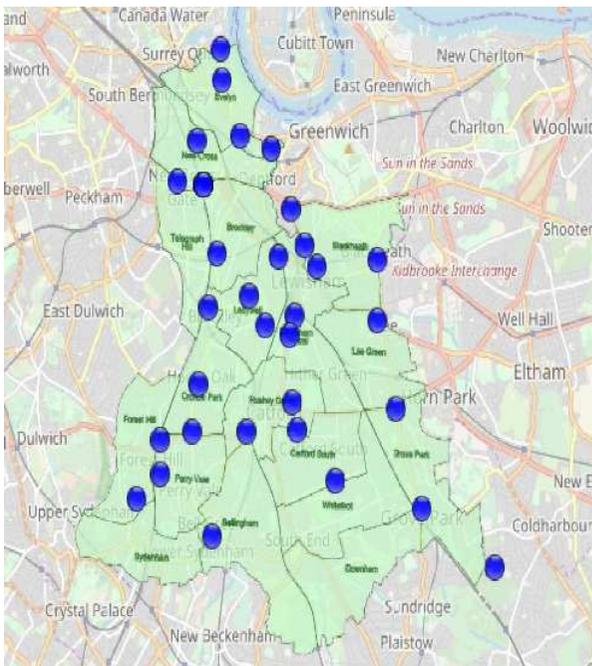


Figure 6a NOx Emissions by source (from the LAEI 2013)

Lewisham's Air Quality Monitoring

There are also 34 nitrogen dioxide tube locations across the borough.

Monitoring requirements are regularly reviewed and assessed.



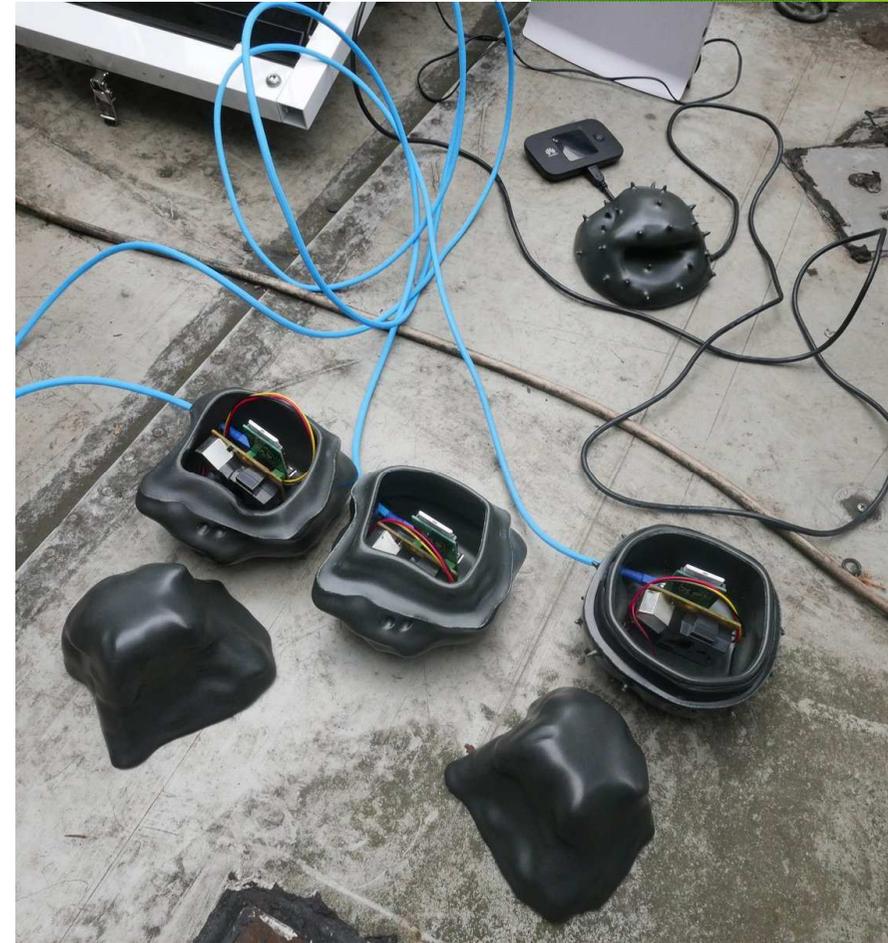
Lewisham is part of the London Air Quality Network, where we have 3 sites continuously measuring air quality.
<http://www.londonair.org.uk/>

Personal Air monitoring?

Personal air monitoring is a good way of measuring your own exposure to air pollution and raising awareness of air pollution more generally

However, monitoring air pollution is a complex scientific process and the figures from personal monitoring sensors are not easily comparable with the figures from the councils monitoring

As a council while we welcome greater public awareness of air quality, results from individual non-specialist studies cannot be used to direct our local policy or resources.

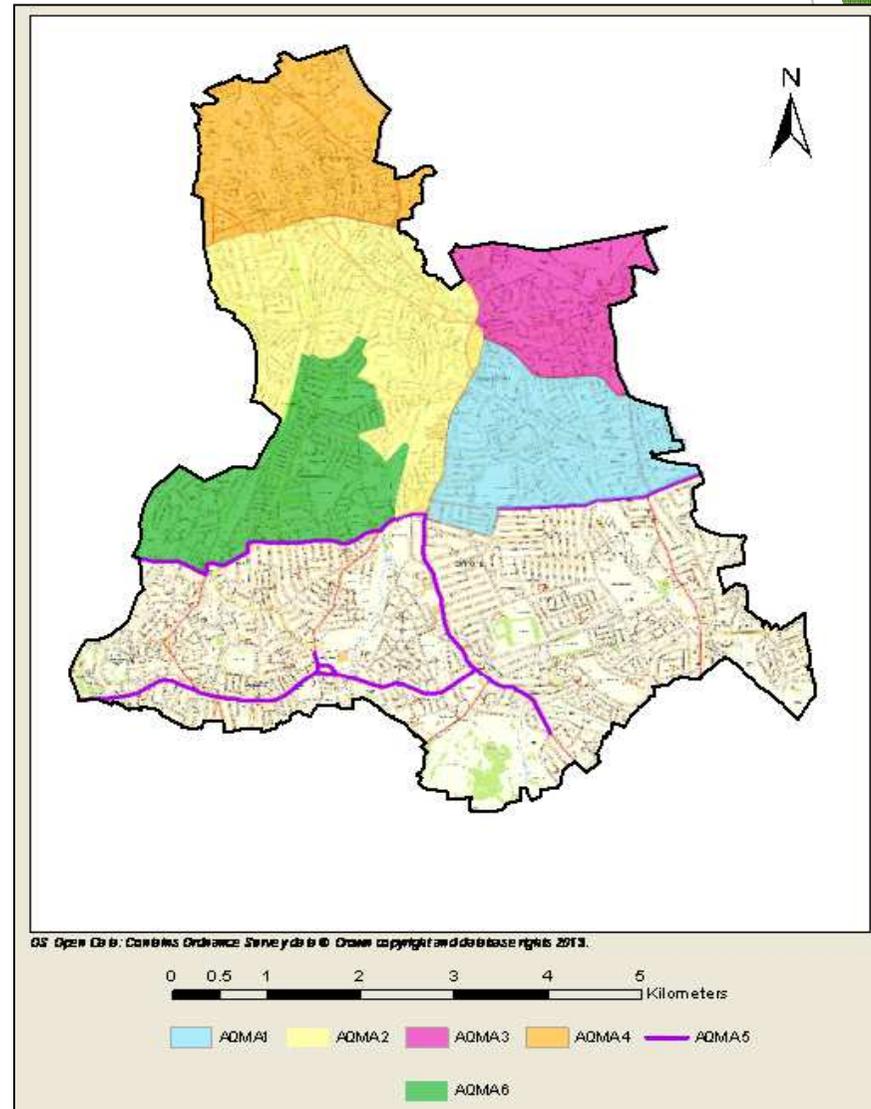


The Lewisham Picture

Lewisham has had an Air Quality Action Plan since 2008.

The recent Air Quality Action Plan 2016-2021 has been approved by cabinet.

The Air Quality Plan follows the GLA's "Action Matrix", with a focus on the actions prioritised to improve air quality



Wisham's Air Quality Action Plan 2016-2021

Areas of Focus:

Controlling emissions from developments and buildings (including construction);

Protecting public health and raising public awareness on air quality

Reducing emissions from delivery servicing and freight (including Councils procurement);

Reducing our own Borough fleet vehicle emissions

Actions that encourage and enable transport modal shifts away from conventional car use

(with the necessary infrastructure).



Two principal and complimentary approaches:

1. Reduce emissions - improve our fleet of vehicles and encourage behaviour change (less driving, less diesel, no idling).
2. Reduce exposure - walk on less polluted streets using green routes, avoid activities on high pollution days, sign up to airTEXT air quality alerts by email and sms.



Some Actions already happening:

Lewisham is:

Expanding the electric vehicle charging points throughout the borough - currently developing a Low Emission Transport Strategy

Improving walking and cycling routes, particularly across Deptford and New Cross through the North Lewisham Links project, but also through the Quietways project

Planning Policy is providing car-free developments

Raising awareness through school programmes, public art projects and Public Health engagement with GP's

Controlling emission from developments



Cleaner Borough Status

Lewisham has been awarded Cleaner Air Borough (CAB) accreditation in recognition of its effective monitoring and steps in reducing air pollution.



The CAB criteria for accreditation is grouped under 6 themes:

- political leadership
- taking action
- leading by example
- informing the public
- using the Planning system
- integrating air quality into the public health system

Lewisham Mayor's Air Quality Campaign

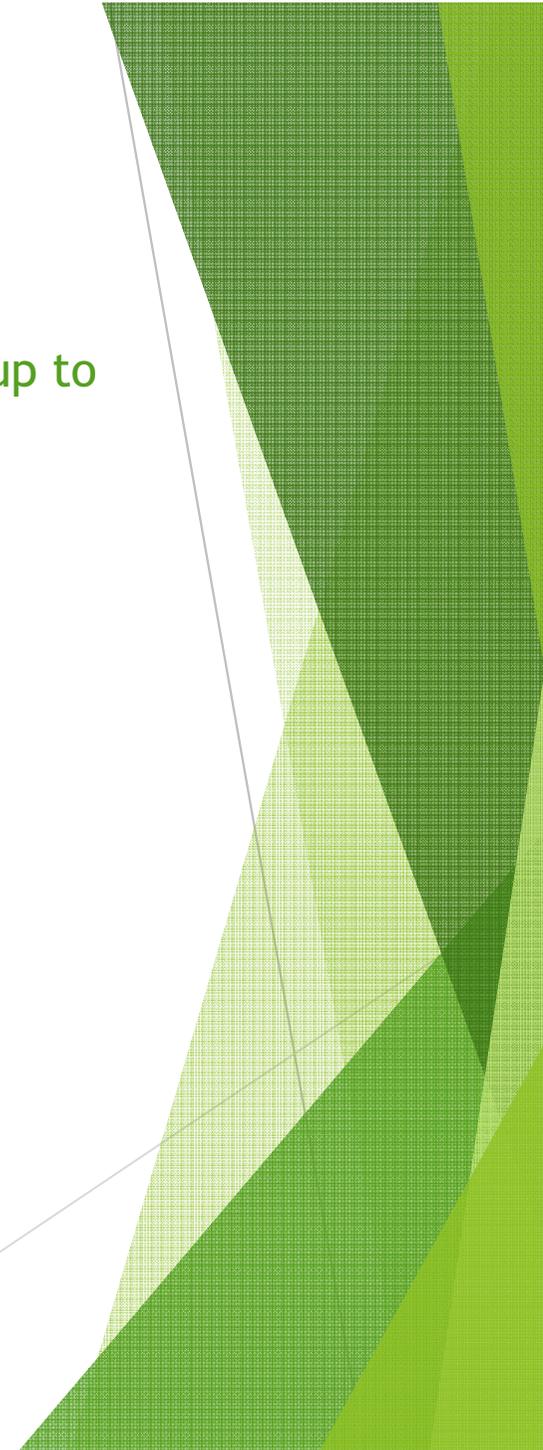
Key message

Everyone who lives and works in Lewisham can make our air cleaner by signing up to a clean air pledge.

We are making Lewisham the best place to live, work and learn in London, with cleaner air for our residents.

Air quality pledges

- . I will walk, cycle or use public transport instead of driving my car
- . I will sign up to get a daily air pollution text alert: www.airtext.info
- . I will make my next car an electric or a petrol & electricity-fuelled car
- . I will walk my children to school
- . I will switch off my car engine when stationary, loading or waiting



Air Quality Campaign

Idling Action DAYS

Lewisham is part of the Vehicle Idling Action partnership - a London-wide behaviour change campaign which is helping to reduce localised air pollution caused by motorists who leave their engines running when parked.

www.idlingaction.london/

Three events are planned at Primary Schools in Lewisham over the next 6 months.



Air Quality and Schools

Lewisham has 3 Primary Schools from the 50 schools chosen by the GLA for air quality audits across London

Lewisham is working with the GLA in identifying actions for reducing children's exposure to poor air quality

We're getting the message out to schools across the borough about the problem and what can be done

We're currently recruiting School Air Quality Champions to promote the message



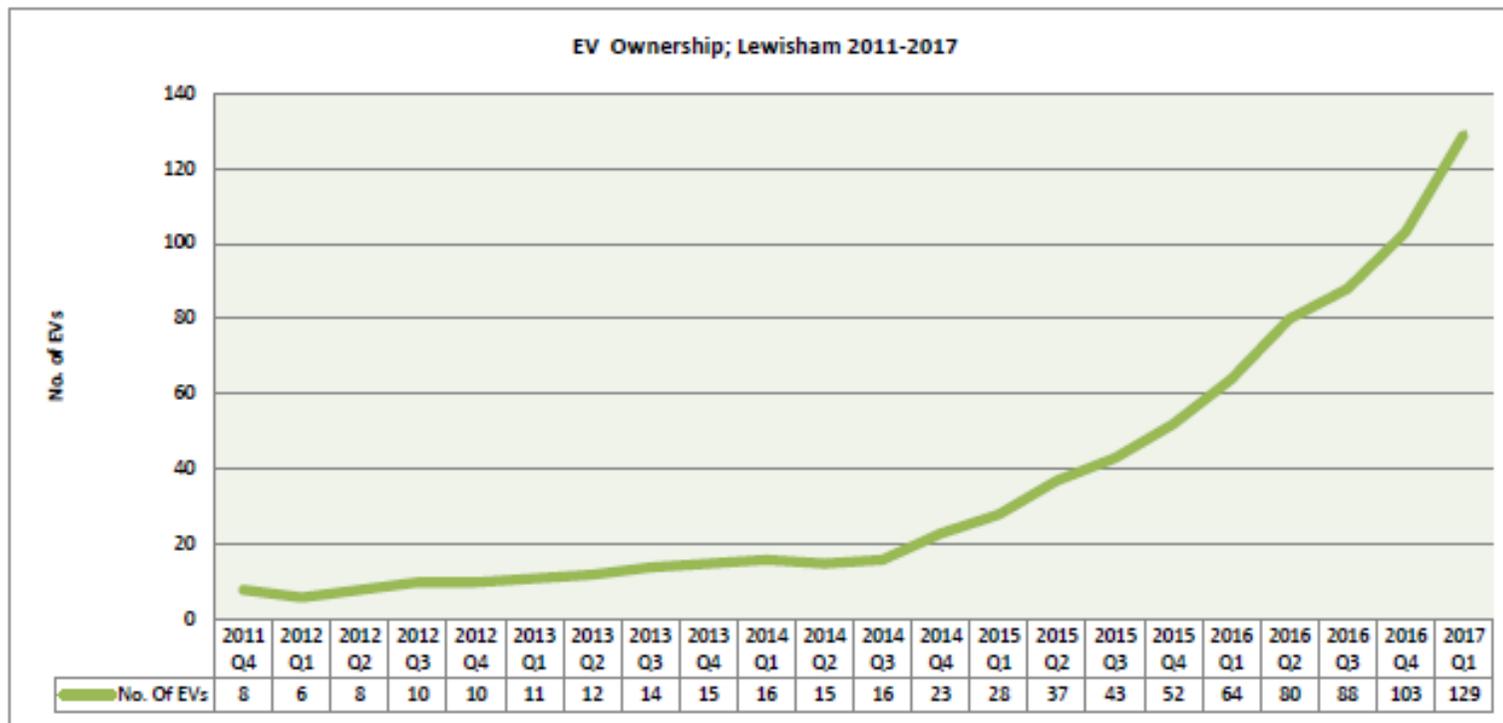
Green Screens

- Green Screens have been demonstrated to be effective pollution barriers in school Playgrounds
- In a recent study in Kensington and Chelsea decrease in the pollution concentrations on the playground side of the screen by 24% for NO₂ and 38% for PM₁₀

http://www.londonair.org.uk/london/reports/GreenScreen_Report.pdf



Growth in electric vehicle ownership in LBL



Source London Scheme

- ▶ Working with Source London to introduce charge points on-street and in car parks
- ▶ Standard charge points (7kw-22kw) charges vehicles in 1-3 hours
- ▶ Either membership or pay-as-you-go
- ▶ <https://www.sourcelondon.net/>



Rapid Charge Points

- Additional proposal to install rapid charging facilities
- Charges vehicles in 30 minutes
- Working with TfL to install along the red routes



What can we all do?

Sign up to the Mayor's Air Quality Pledge

Walk or cycle instead of taking the car. Cycling or walking benefits your health and helps to improve air quality in London

Use public transport instead of driving to reduce your air pollution emissions

Talk to your friends and family about air quality. Encourage them to take action against air pollution too

Explore alternatives to owning a diesel car e.g. becoming a member of a car clubs, trading in your car for a petrol vehicle, or buying a vehicle run on hydrogen or electricity

IMPROVED AIR QUALITY REQUIRES US ALL TO MAKE RIGHT CHOICES

