



Air Quality Action Plan, 2020-2025

Delivery and adoption of the
Council's AQAP

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**Barking &
Dagenham**

one borough; one community; no one left behind

- Background
- Current problems
- Priorities in AQAP
- Timetable

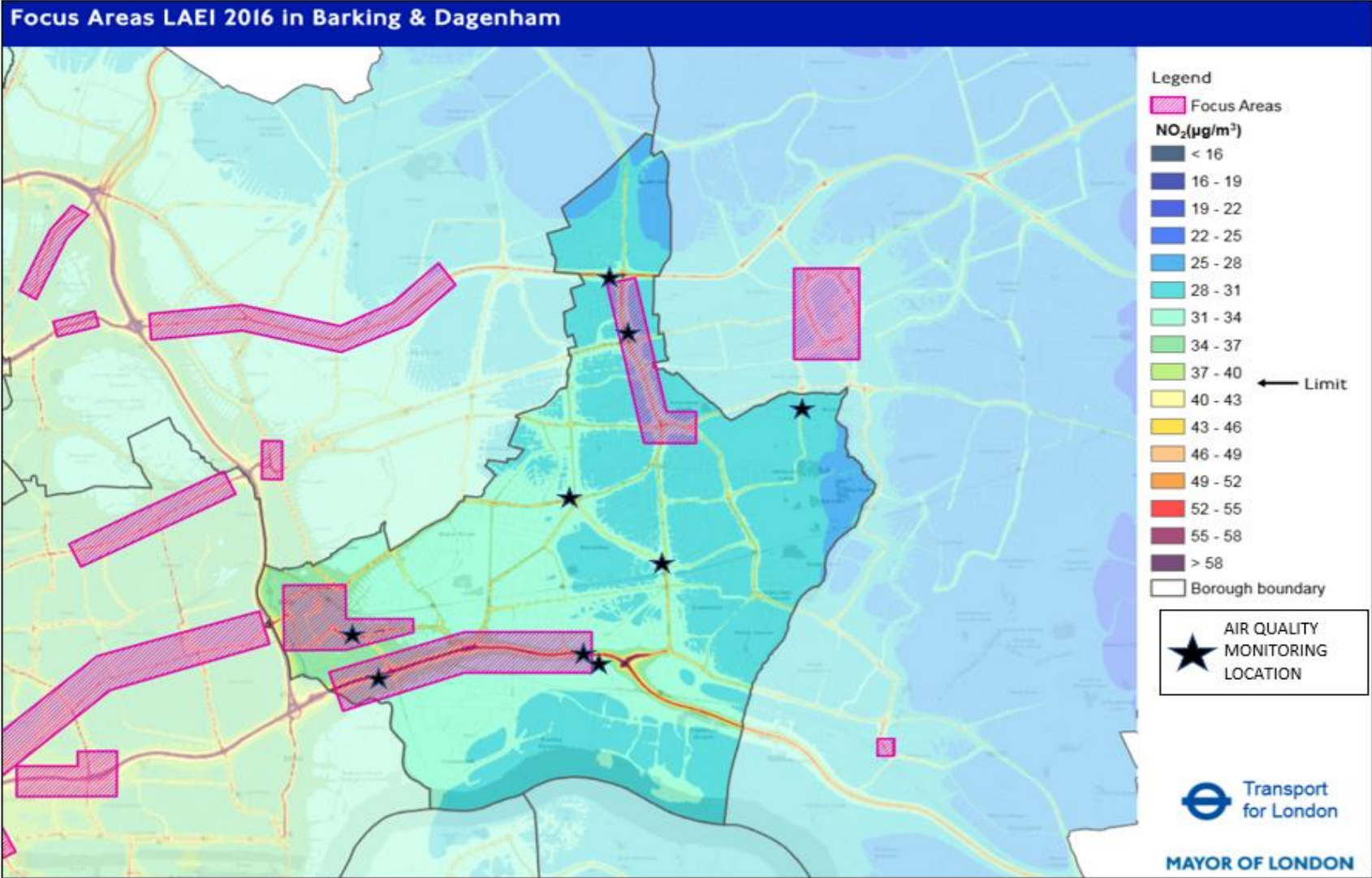
Background

- In parts of Barking and Dagenham, levels of Nitrogen Dioxide (NO₂) are above legal limits
- We have an Air Quality Management Area (AQMA) and are required under EPA 1995 to provide an Air Quality Action Plan (AQAP) to address poor air quality
- Currently meet EU Objective levels for Particulate Matter (PM) however there is no safe level or concentration of these pollutants where there is no adverse impact on health
- Negative impacts of poor air quality is empirically linked to poor health
- We know what causes poor air quality and what the concentrations are – we have the stat's and air quality monitoring networks to measure air pollution levels
- AQAP is reviewed by Defra and the GLA for approval, and once adopted, we have to report annually on progress

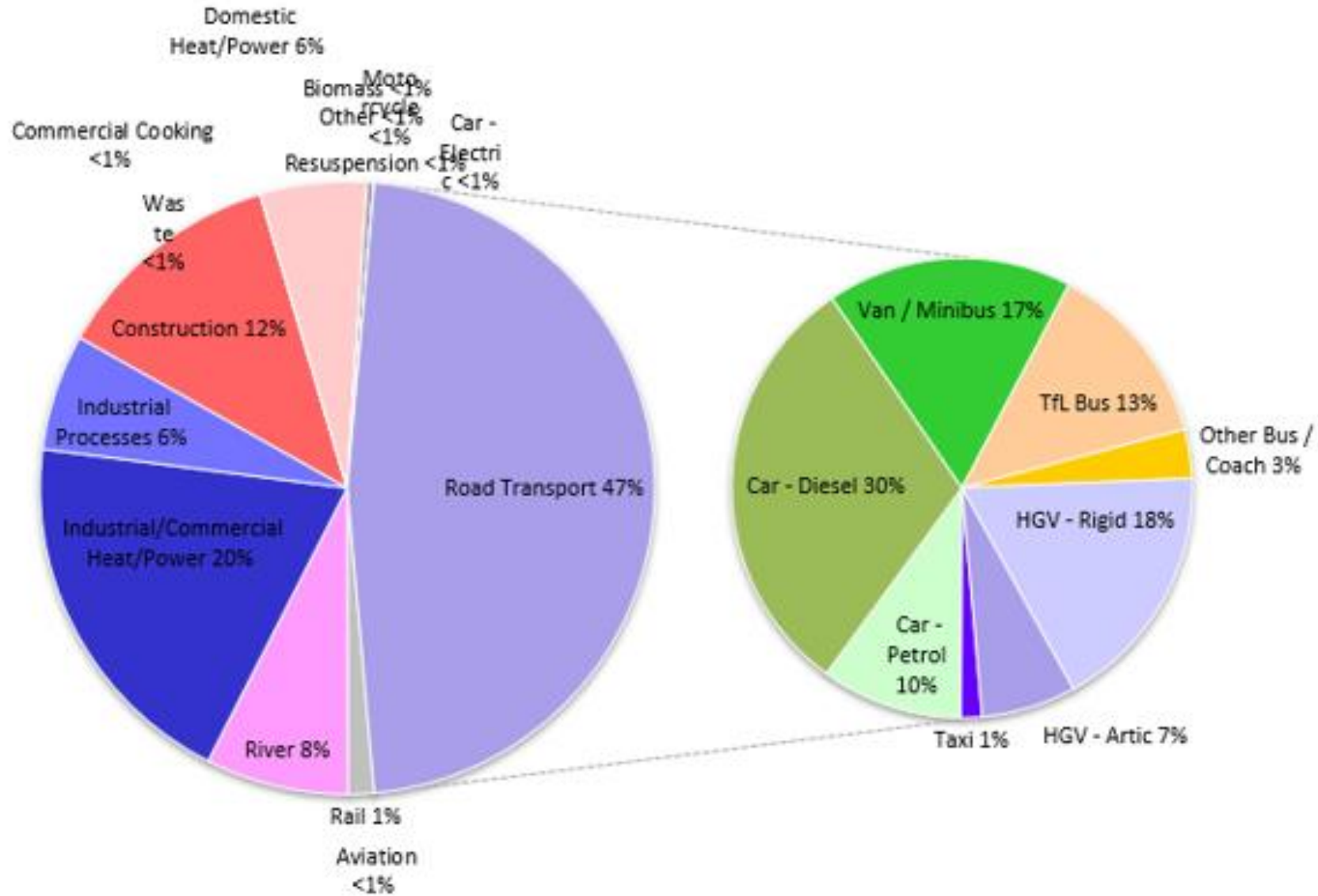
Annual Average Nitrogen Dioxide Concentrations and Three GLA A.Q Focus Areas

Currently NO₂ concentrations are above the limit, primarily along major roads such as the A13, A12 and most smaller arterial roads (see yellow-red colours on main roads)

Air Quality Focus Areas are geographic locations that exceed the NO₂ annual mean limit value and have high human exposure



Distribution of NOx Emissions - 2016 - Barking and Dagenham



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Current problems

- High concentrations of pollution on, and near, main road networks
- Often high population levels adjacent to main road networks – health impacts
- High emissions from road transport, construction and development, vehicle fleet composition (e.g., diesel cars, HGVs) etc.
- Air quality monitoring networks operated by LBBD are insufficient in their scale, type and number of locations - need to increase air quality monitoring
- There is no existing local policy or mechanism to gain funds from building developments/the planning system to adequately resource air quality monitoring, staff or air quality projects
- Delivering the AQAP by December 2020

Priorities in AQAP

- Monitoring and core statutory duties
- Emissions from Developments and Buildings
- Public Health and Awareness Raising
- Delivery, Servicing and Freight
- Borough Fleet
- Localised Solutions
- Cleaner Transport.

Example Actions showing Priorities in AQAP

Action category	Action ID	Action name and description	Responsibility	Cost	Expected emissions/concentrations benefit	Timescale for implementation	Outputs, Targets and KPIs	Further information
Monitoring and core statutory duties	1	Maintain the borough's monitoring network, and add an additional 20 diffusion tubes	Environmental Protection Team	Low	No emissions benefits but critical in terms of understanding emissions and concentrations	10 NOx Diffusion Tubes deployed July 2020, ongoing monthly monitoring. Target to install 20 further tubes minimum by 2023	All monitors maintained and over 90% data capture	Details of LBBD monitoring can be found here: https://www.londonair.org.uk/london/asp/publicbulletin.asp?la_id=1&MapType=Google
Emissions from developments and buildings	6	Include GLA guidance on environmental and construction best practices into BeFirst and LBBD major development requirements	BeFirst/	Low	Indirect emissions reduction. Difficult to quantify emission changes, however this ensures current best practice for reducing construction emissions (NOx and PM)	2020	No. of BeFirst Employer Requirements with GLA best practices. No. of LBBD requirements with GLA best practices	https://www.london.gov.uk/what-we-do/planning/implementing-london-plan/planning-guidance-and-practice-notes/control-dust-and

Public health and awareness raising	18	Develop and implement a communications strategy to disseminate air quality information to raise awareness and encourage behaviour change – may include messages to residents with heart and lung diseases (working in partnership with local NHS services). E.g., re-publicising the Mayor's pollution alerts, promotion of active travel/sustainable transport, green home grants and anti-idling messages etc.	Environmental Health / Public Health / Communications. Communications strategy working group to be coordinated by PH, E.H and Comms Teams. Query ComSol as directly facing services to residents including social prescribing and healthy ageing.	Low	No direct emissions or concentrations reduction however promotion of active and healthy travel, promotion of protecting peoples health from pollution and greener forms of transport.	2020	Number of communication messages disseminated by Comm's/ the strategy working group, measured annually.	
Delivery servicing and freight	28	Reducing emissions from deliveries to local businesses and residents. Work with and support TfL to install rapid electric vehicle charging points to encourage low emission vehicles	BeFirst/Will & Mohammed	Medium	Reduced tail pipe emissions from commercial and private vehicles	2020	3 Rapid chargers to be installed by end of December 2020. Report annually on rapid EV chargers installed	https://maps.london.gov.uk/ev-chargepoints/?inctmp=52680
Borough Fleet	34	25% of the total fleet vehicles to be fully electrified (Battery Electric Vehicle) by 2025	Fleet/ John Russell	Medium - High	Direct NOx and PM emissions reduction from changing diesel vehicle to electric	2021	Report annual number increase of EVs in fleet	

Localised solutions	37	Low Emission Neighbourhood (LEN): Continue to implement and project manage the Tfl-funded 'Greening the Fiddlers' LEN in Becontree Heath, Dagenham, in one of the GLA's Air Quality Focus Areas.	Victoria Spashett, BeFirst	Medium / High	Measures given within the LEN project outline will provide local and cumulative reductions to be achieved. Community led design project which aims to make the neighborhood around The Fiddlers junction safer, greener and more sustainable.	2019-2022	Neighbourhood improvements aimed at reducing traffic dominance and which support and encourage people to make active travel their first choice.	https://www.greeningthefiddlers.org/ https://yourcall.befirst.london/greening-the-fiddlers
Cleaner transport	40	Using parking policy to reduce pollution emissions by reviewing borough parking permit fee banding and implement a policy to incentivise lower emission vehicles/ dis-incentivise higher emitting vehicles	Head of Parking	Low		2021	Document change of parking policy and show vehicle emission pricing.	Current parking permit prices can be viewed at, https://www.lbbd.gov.uk/permit-prices

Timetable

- Report of the draft AQAP to CSG – 20 August 2020
- 3rd AQ Steering group meeting in 2020 to finalise agreed actions – 1 September 2020
- Present draft AQAP to key cabinet members - 20 Aug to 8 Sept
- Present draft AQAP to OSC – 9 September 2020
- Draft AQAP goes out for public consultation – End September until End November 2020 (8 weeks min')
- Present the draft AQAP to CSG for Cabinet consideration and adoption – Early Dec' 2020
- Present the final AQAP to Cabinet - December 2020