

# Current Issues in Air Quality

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# Structure of Presentation

- NO2 trends
- ULEZ Expansion
- Birmingham and Bradford CAZs
- Air Quality Strategy: Framework for Local Authority Delivery
- PM2.5



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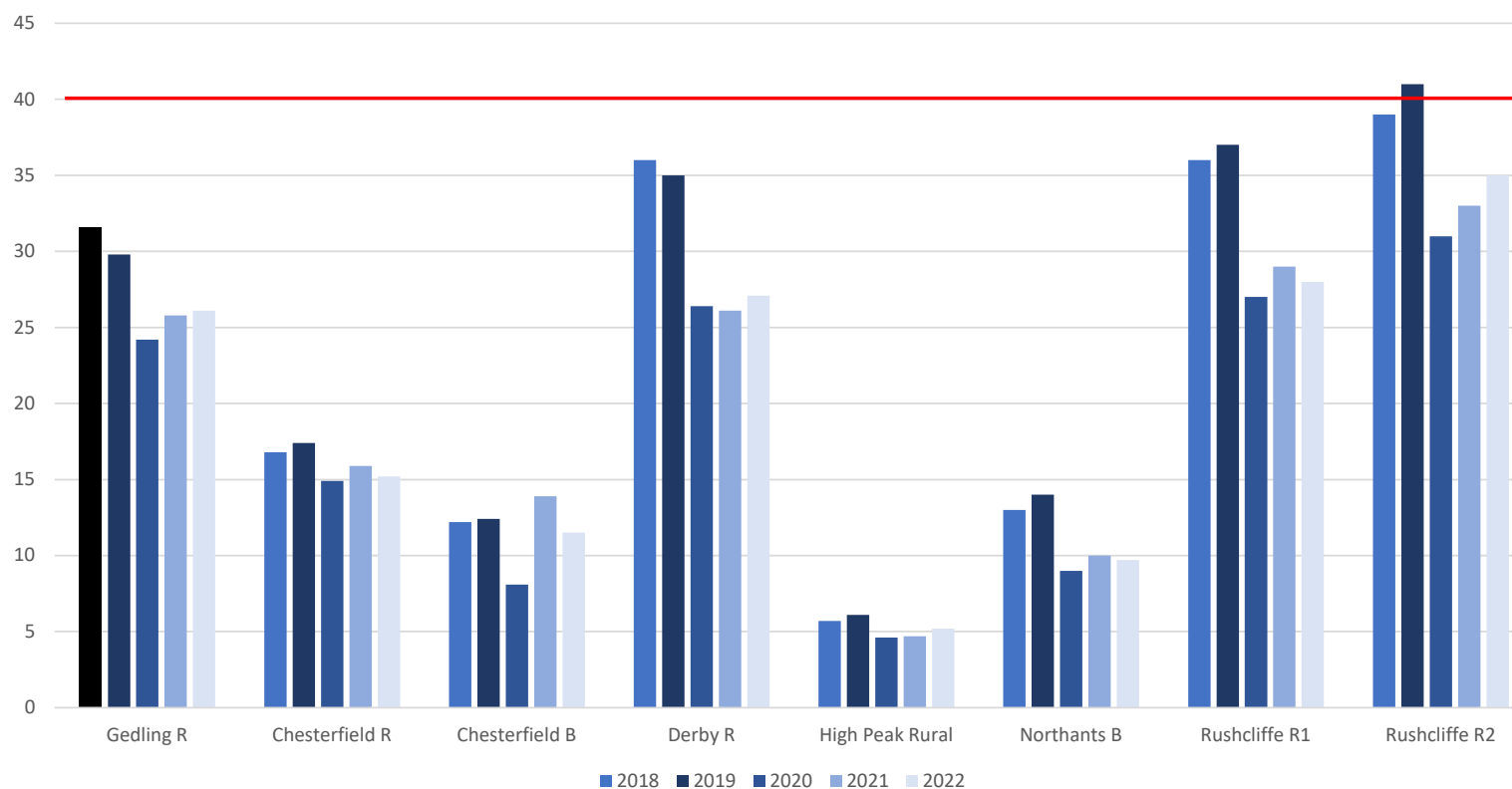
# NO2 Trends

- 2020 & 2021 Covid
- Consequent changed working patterns
- Euro uptakes & ban on the sale of combustion engine vehicles
- Clean Air Zones Bradford/Birmingham
- Greater London ULEZ expansion



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# Automatic Monitoring Station NO2 Trends



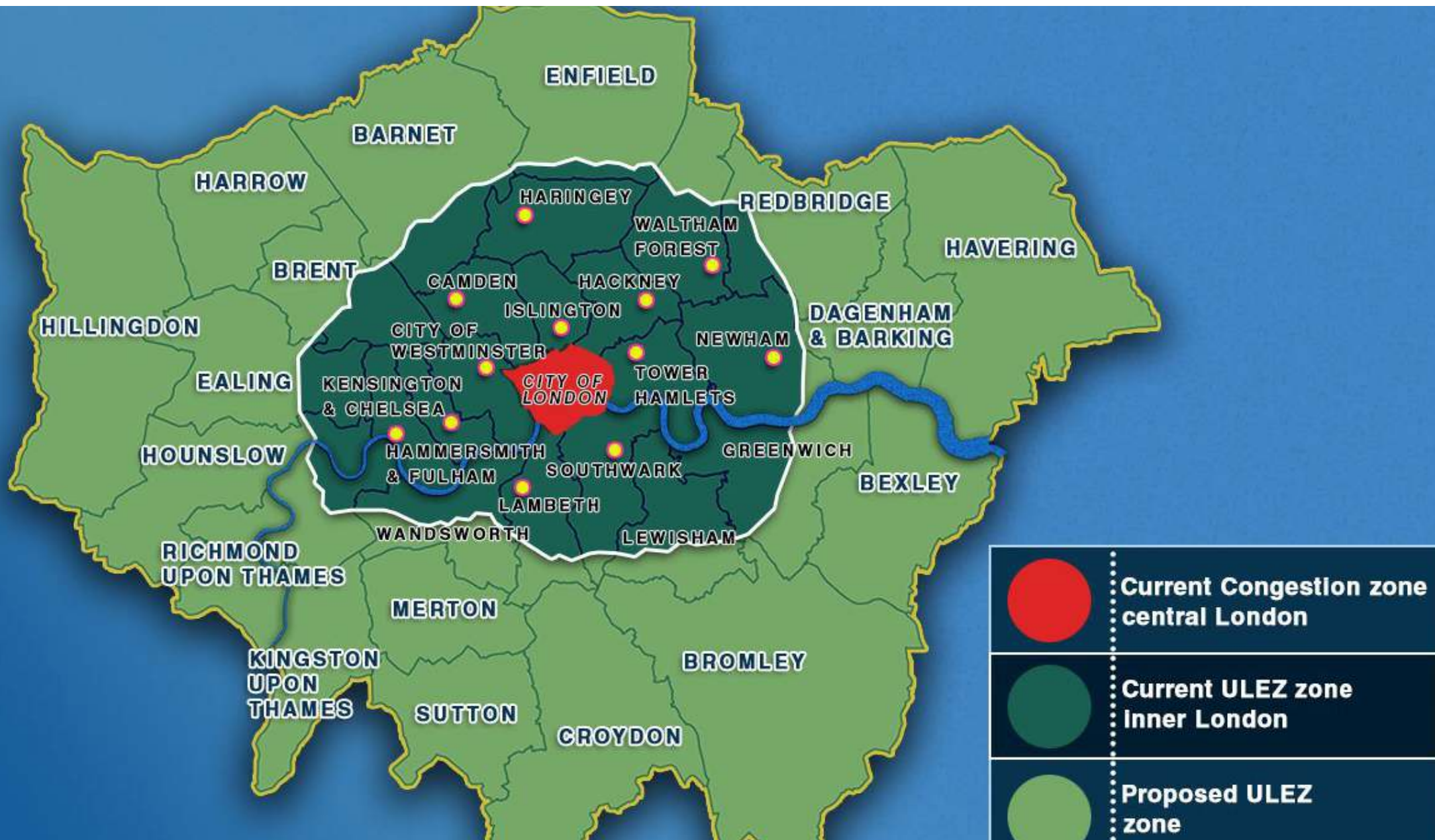
R Roadside  
B Background

# Greater London Congestion Zone / ULEZ

- 2003 Congestion Zone Central London
- 2021 ULEZ to North and South Circular Roads
- 2023 ULEZ all of Greater London

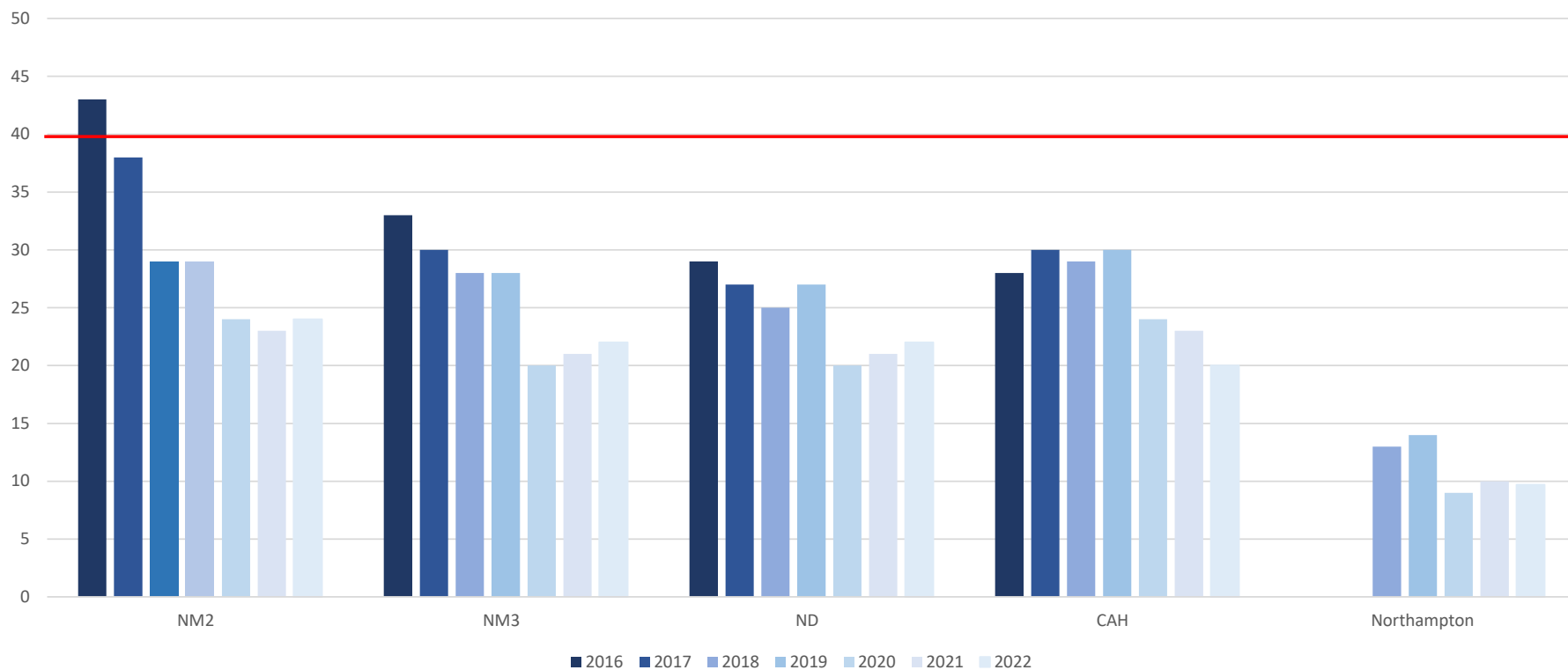


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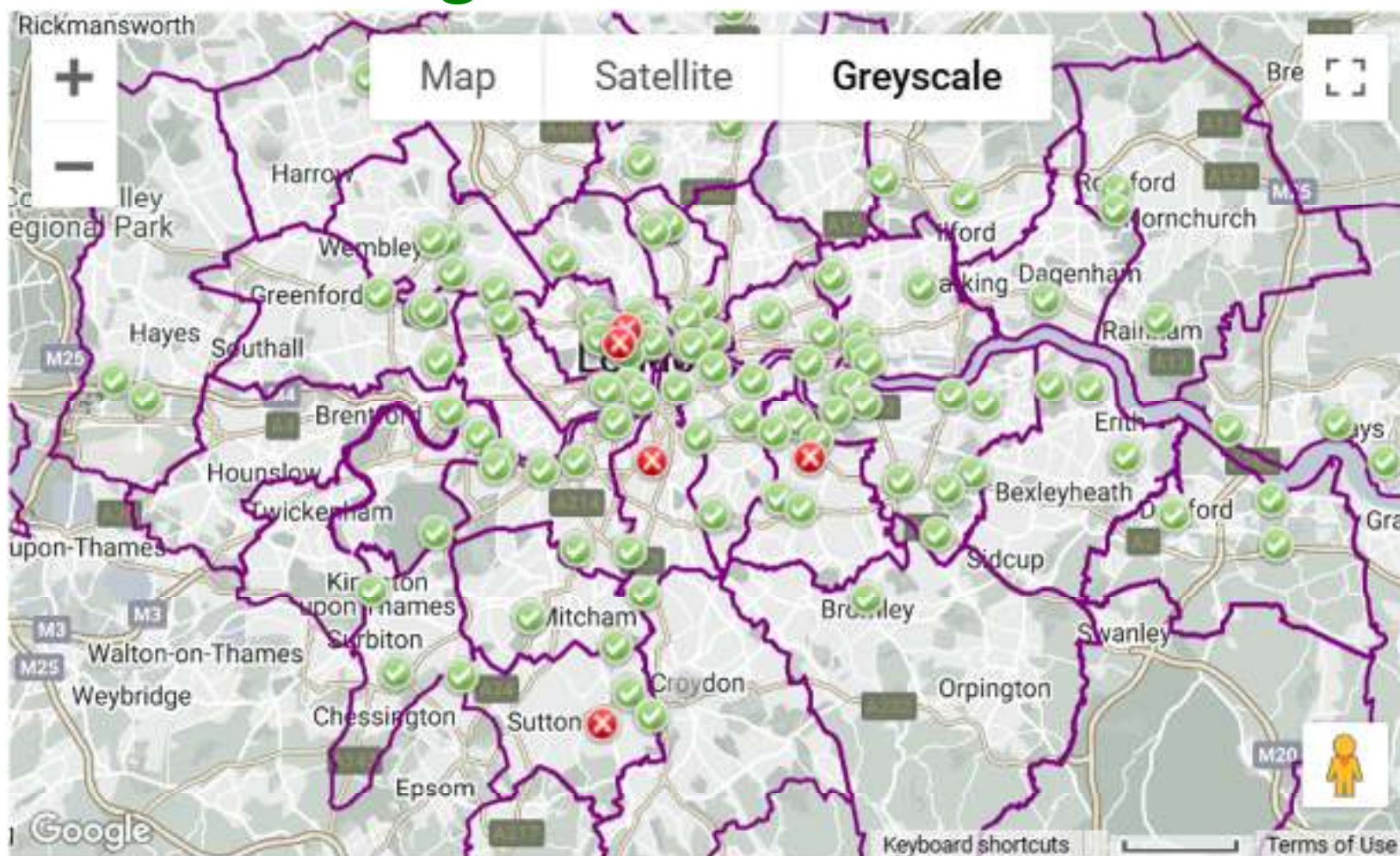


# Automatic Monitoring Station Data NO2

Newham – within the North Circular



# LondonAir.org.uk NO2 Annual Mean 2022



Select a monitoring site to view: ▼

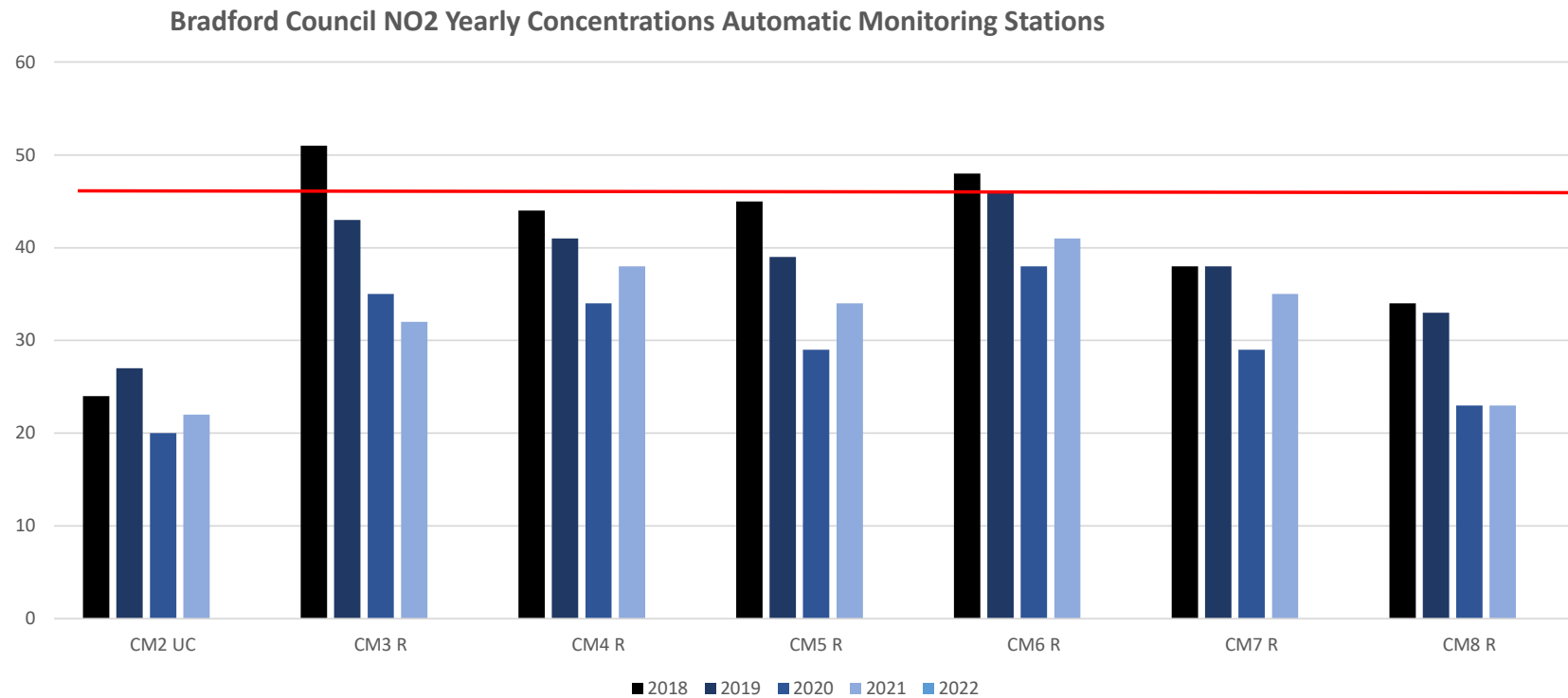
Change objective: annual mean nitrogen dioxide objective

▼ Include closed sites: ☐

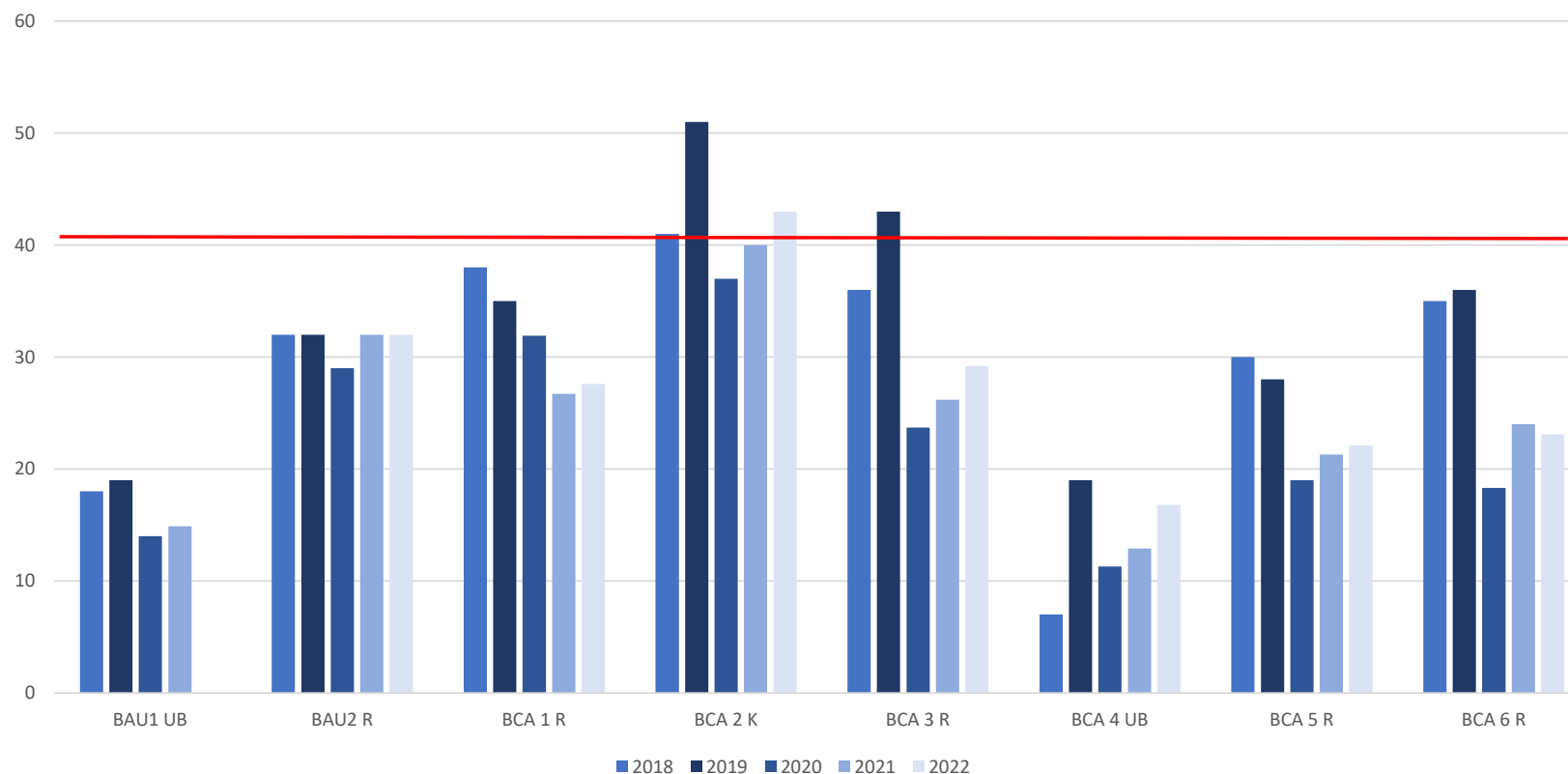
# Bradford Clean Air Zone

- Implemented in September 2022
  - Bradford Council are currently assessing the one year results
-

# Bradford Automatic Monitoring Station NO2 Trends



# Birmingham Automatic Monitoring Station NO2 Trends



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# LA Implications England Air Quality Strategy

DEFRA opened a consultation on their Revised Air Quality Strategy, which ran for 10 days from the 11 April 2023 to 11:30pm on 21 April 2023. The short consultation period was attributed to DEFRA being **legally required to publish the revised strategy by 30 April 2023**.

A DEFRA policy paper titled “Air quality strategy: framework for local authority delivery,” was published on 28 April 2023. The policy paper identifies actions that local authorities can take to reduce air pollution.

## Local Authority Legal Duties

Legal duties placed upon local authorities as stated in the Environment Act 1995 as amended by the Environment Act 2021 states:

- Local authorities (LAs) **must** assess air quality in their area against air quality objectives.
- LAs **must** submit an Annual Status Report reporting on their air quality actions, including progress implementing Air Quality Action Plans and local Air Quality Strategies.
- DEFRA **must** review their national Air Quality Strategy (NAQS; this is a policy document) every 5 years.

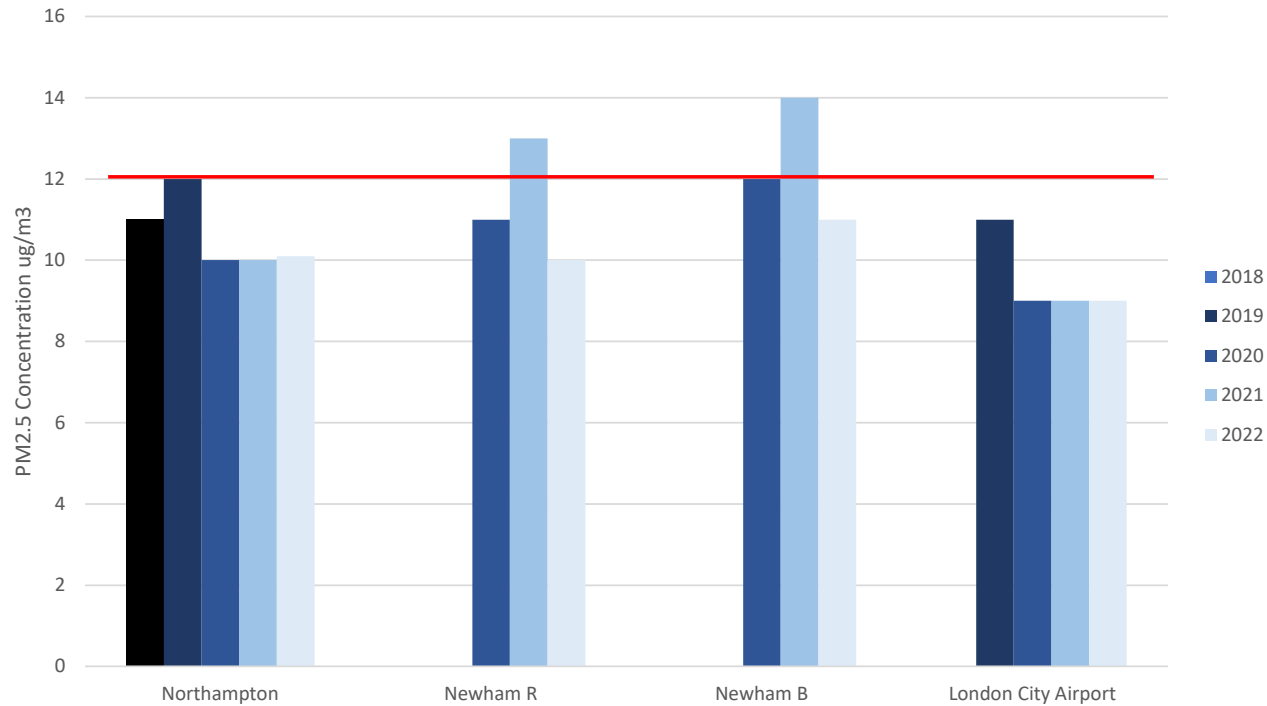
# LA Implications England Air Quality Strategy

## Key Decision:

- LAs **should** decide whether to revoke/retain/expand smoke control zones
  - LAs **should** decide whether to implement civil penalties within smoke control areas
  - LAs **should** take action if air pollution impacts protected sites (biodiversity)
  - LAs **should** decide if whether to implement NRMM inside AQMAs
  - LAs **encourage** tenant farmers to reduce ammonia emissions
  - LAs **should** be familiar with best practice on indoor air quality – DEFRA will be providing best practice guidance (including mould).
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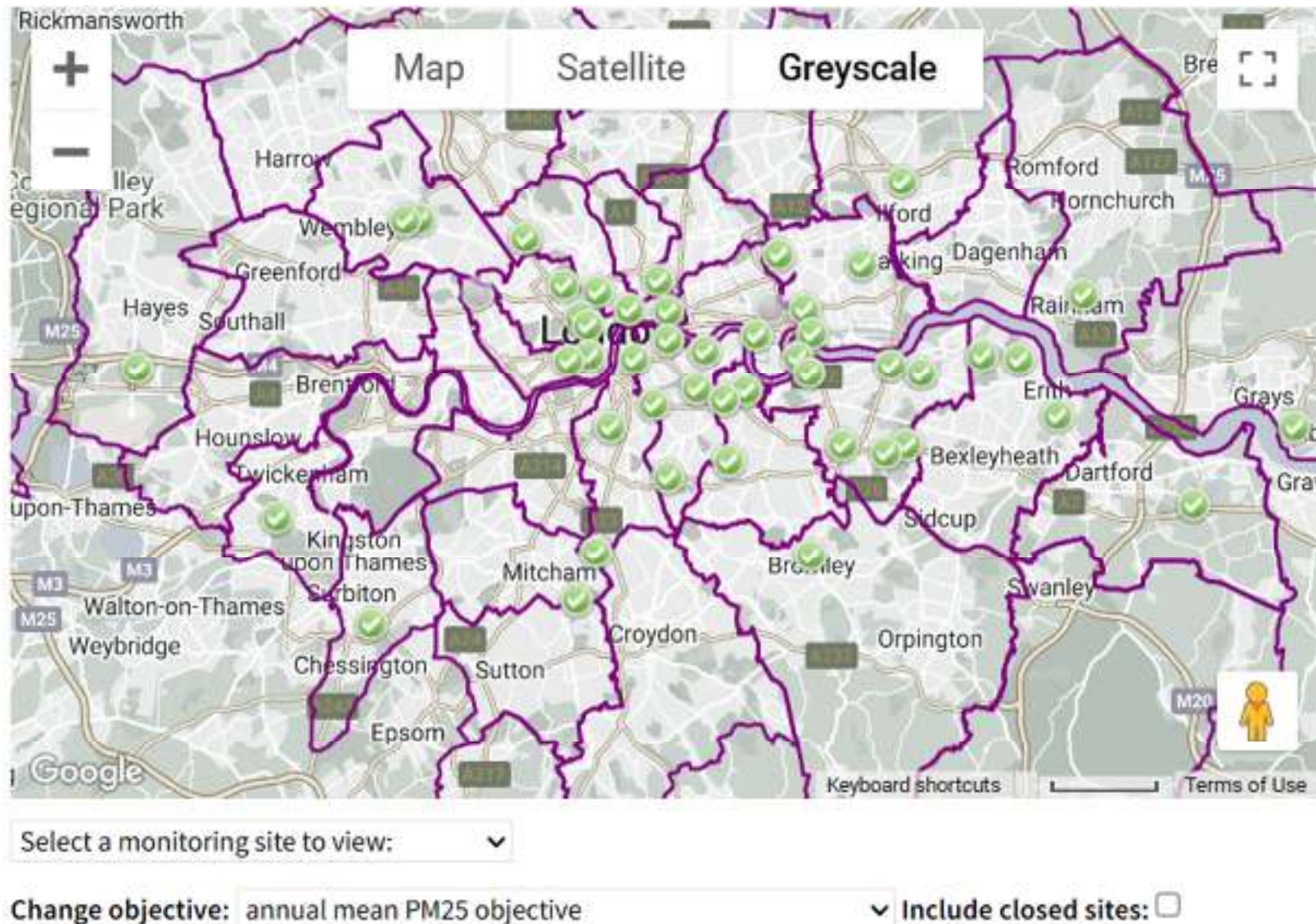
# PM2.5 Automatic Monitoring

AMS PM2.5 Monitoring Results 2018-2022



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# Londonair.org.uk PM2.5 Annual Statistics



# PM2.5 Measurements

**Need to be delineated further....**

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# Questions



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