

# Environment Scrutiny Commission

Monday 27 November 2023  
7.00 pm  
160 Tooley Street, London SE1 2QH

## Supplemental Agenda

### List of Contents

Item No.	Title	Page No.
9.	<b>EV plan</b> Tom Sharland, Head of Climate Change & Sustainability, presented the enclosed Electrical Vehicle (EV) plan, which is presently out for consultation:  <a href="https://consultations.southwark.gov.uk/environment-leisure/streets-for-people-electric-vehicle-plan/">https://consultations.southwark.gov.uk/environment-leisure/streets-for-people-electric-vehicle-plan/</a>	1 - 10
10.	<b>Sustainable Freight Review - TFL</b> Transport for London will present on: <ul style="list-style-type: none"><li>• Decarbonisation of deliveries</li><li>• London Freight Lab</li><li>• Delivery of Freight and servicing action plan: Making London's streets safer, cleaner and more efficient'. The <a href="#">report</a> can be found here.</li></ul>	11 - 19

### Contact

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# Electric Vehicle Plan

Environment Scrutiny Commission

27 November 2023

# Background

- **Climate emergency** declared in 2019, setting an ambitious 2030 net zero target, transport accounts for 18% of emissions in the borough.
- **Council Delivery Plan** for 2022-26 includes specific commitments to develop a borough-wide EV infrastructure Strategy by 2023 and deliver 1,000 EV chargepoints by 2026.
- **Streets for People:** the borough's transport strategy which supports: cleaner air, safer and quieter streets with less traffic and fewer accidents, healthy travel options (walking, cycling, wheeling), greener and more pleasant spaces, a better place for all who live, work, study and visit the borough.

# Streets for People

## Streets for People Strategy:

- Walking Plan
- Cycling Plan
- EV Plan

**60.3%**

of people in Southwark do not own a car<sup>1</sup>

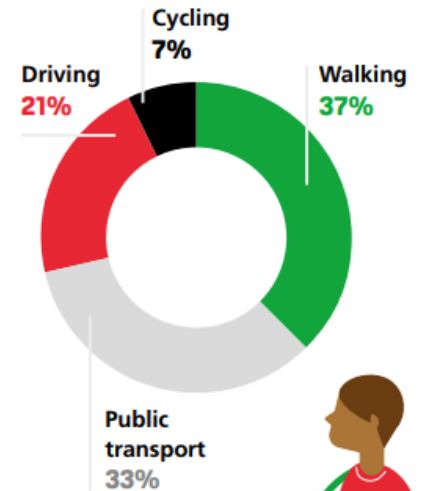
We need a **12%** year-on-year carbon reduction to become carbon neutral by 2030.

Road transport makes up **18%** of the borough's overall carbon emissions

## What we will do

- 1.1** Reduce the proportion of journeys by car from 21% to 13% by 2030, to contribute to the Mayor's target of reducing overall traffic by 27% by 2030.

## Southwark transport mode share



Asian and minority ethnic Londoners are more likely to walk and use public transport than white Londoners.



# Key Principles

The EV Plan recognises the opportunities and challenges that EV bring, and then sets out 5 key principles:

- Mode shift: reduce car ownership and encourage greater use of sustainable and active travel
- Accessibility: must be accessible to all and not impede access or use of the footway
- Inclusion: roll-out that is inclusive to all regardless of income, ethnicity, gender and mobility
- Flexibility: supports the future flexible use of space
- Future Proofing: consider new and emerging technology as it develops

# Forecasting – Vehicles

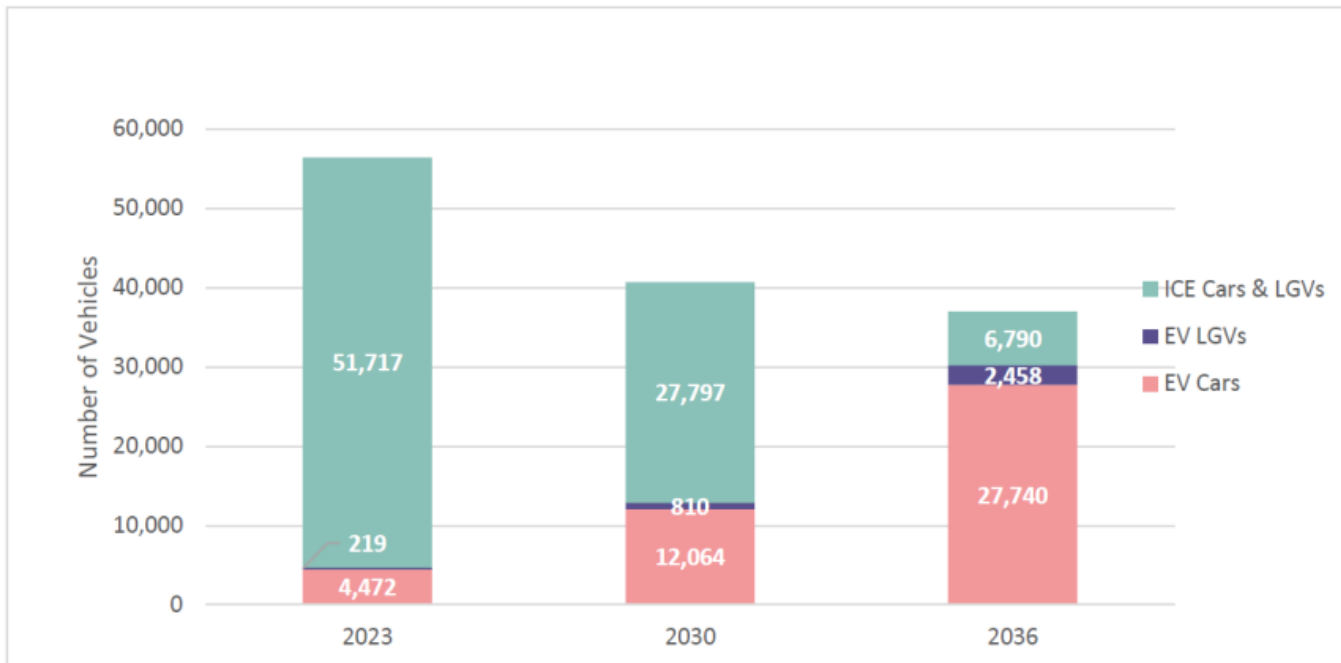


Figure 3-1: Forecast Number of Registered ICE Vehicles, EV Cars and LGVs in Southwark (CENEX, 2023)

## National EV Insight & Strategy (NEVIS) Insights Toolkit

# Forecasting – EV Chargepoints

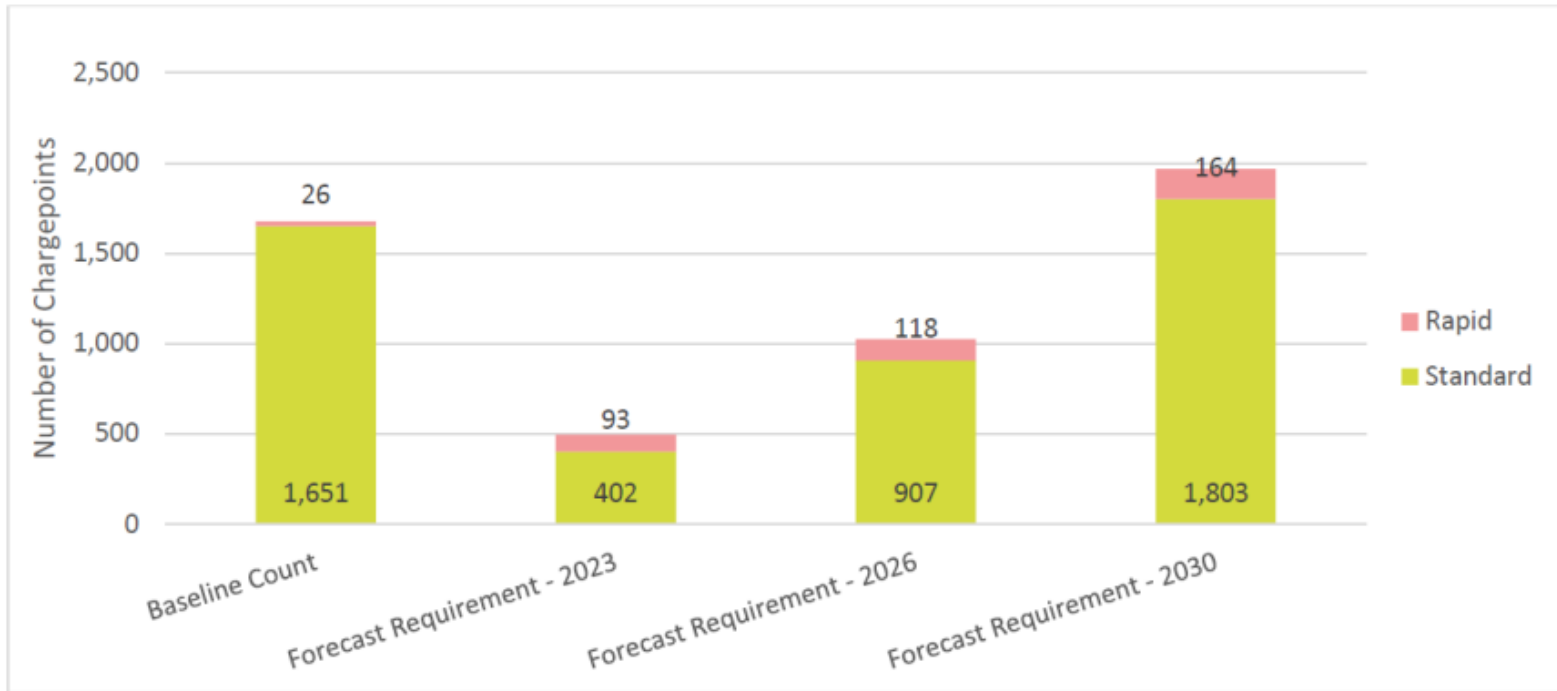
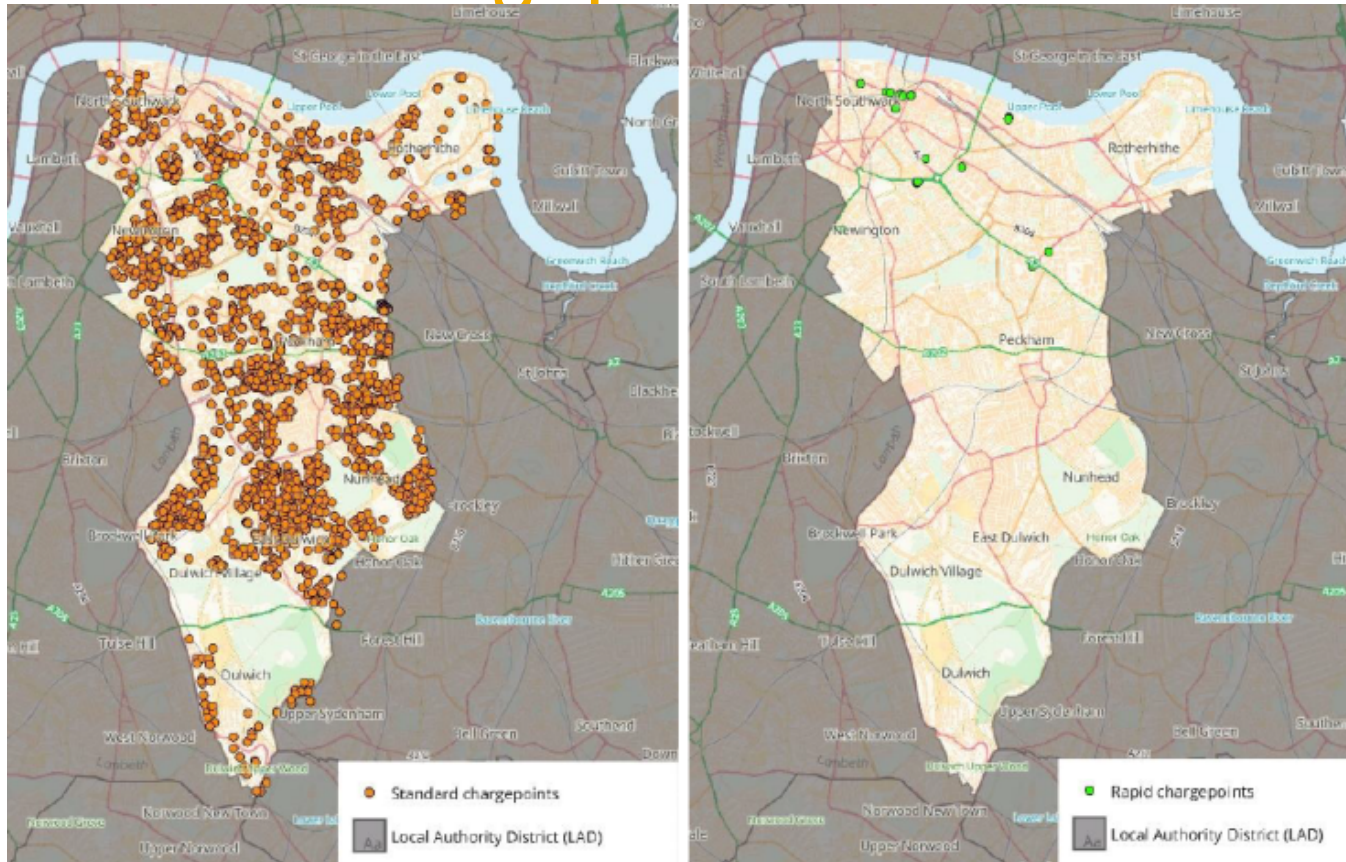


Figure 4-1: Current & Forecast Chargepoint Requirements (City Science, 2023)

# Current EV Chargepoints



Also considered utilisation, time/day plugging in rates for standard and rapid



# The EV Plan

The EV Plan sets the vision, reviews policy, sets out the key opportunities and constraints, what has been delivered to date and where we go next.

Three key areas containing a number of objectives:

## **EV Charging at home**.....

Objective 1: Making on-street charging accessible .....

Objective 2: Extend Provision to Housing Estates .....

Objective 3: Support EV chargepoints on private land .....

## **EV Charging at your destination** .....

Objective 4: Extend rapid chargepoint provision across the borough.....

Objective 5: Explore EV chargepoints on council land .....

## **A growing EV Network** .....

Objective 6: Secure funding for the future.....

Objective 7: Explore sustainable funding models .....

# The EV Plan

## Headline Commitments include:

- Ensure all residents are within a 5-minute walking distance from a public charge point by 2026.
- Introduce and enforce EV bays in Controlled Parking Zones adjacent to EV chargepoints.
- Trial EV infrastructure at 20 housing estates across the borough by 2026.
- Deliver 40 rapid chargepoints by 2026, aim to deliver a further 60 by 2030.
- Support delivery of a robust EV charging infrastructure for our commercial fleet, as part of the council's Fleet Management Strategy.
- Utilise funding to address gaps in the standard chargepoint network.
- Work with a diverse range of Charge Point Operators to support choice and reduce cost to users.

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# Next Steps

The EV Plan is now published on the council's website:

<https://consultations.southwark.gov.uk/streetsforpeople/>

Closing date 31 Jan 2024

Comments and feedback welcome!



**Streets for People - Electric Vehicle Plan**

Take a look at Southwark's draft Electric Vehicle (EV) Plan, part of a set of Streets for People plans, and tell us what you think about our proposals to make Southwark a...

# Southwark's Environment & Community Engagement Scrutiny Commission

TfL initiatives to support Sustainable Freight

**Dr. Polyvios Polyviou**  
Strategy and Planning Manager – Freight

*27 November 2023*



# London's pathway to Net Zero



## The Mayor's Transport Strategy (MTS)

Published: March 2018

- Within the MTS, London committed to be **zero carbon by 2050**
- Also focus to make transport **zero-carbon**
- And to **adapt** to the effects of climate change
- For freight, it aims to:

*“reduce the number of lorries and vans entering central London in the morning peak (07:00-10:00) by 10% by 2026”*

### ▪ March 2019

The Mayor of London, Sadiq Khan, set an ambitious target for London to be **net zero carbon by 2030**.



- The climate emergency **accelerated the 2050 zero carbon goal**
- ‘Accelerated Green’ pathway to meet 2030 net zero carbon



# Supporting freight through our policies and strategies

## The Freight and Servicing Action Plan

- **Published:** March 2019
- **Vision:** the safest, cleanest and most efficient freight transport of any city in the world (Freight & Servicing Action Plan, 2019)
- **Overarching policies:**
  - Mayor’s Transport Strategy
  - London Plan
  - London Environment Strategy
- **Individual work streams grouped into 4 priority areas:**

Safe

Clean

Efficient

Land Use

**Mayor's Transport Strategy Proposals relevant to freight and servicing**

**Proposal 9**  
The Mayor, through TfL, the boroughs and enforcement partners, will seek to reduce danger posed by vehicles.

**Proposal 10**  
The Mayor, through TfL and the boroughs, will set out a programme to achieve the Vision Zero aim of reducing the number of people killed or seriously injured on London's streets to zero.

**Proposal 11**  
The Mayor, through TfL, the boroughs, police and stakeholders, will seek to improve motorcycle safety.

**Proposal 15**  
The Mayor, through TfL, will work with the boroughs, businesses and the freight and servicing industry to reduce the adverse impacts of freight and service vehicles on the street network. The Mayor aims to reduce the number of lorries and vans entering central London in the morning peak (07:00-10:00) by 10 per cent by 2026.

**Proposal 16**  
The Mayor, through TfL, and working with the boroughs and the Freight Forum, will improve the efficiency of freight and servicing trips on London's strategic transport network by:

- a. Identifying opportunities for moving freight by rail where this will not impact passenger services and where the benefits will be seen in London
- b. Increasing the proportion of freight moved on London's waterways
- c. Reviewing the potential for a regional freight consolidation network, and the network of Construction Consolidation Centres in London

**Proposal 17**  
The Mayor, through TfL, will work with the boroughs, businesses and the freight and servicing industry to reduce the adverse impacts of freight and service vehicles on the street network. The Mayor aims to reduce the number of lorries and vans entering central London in the morning peak (07:00-10:00) by 10 per cent by 2026.

**Policies**  
Draft London Plan policies specific to freight and servicing:

**Policy E4**  
Encourages railheads to be safeguarded and ensures freight is catered for through design in line with the principles in this action plan and Healthy Streets.

**Freight and servicing action plan**  
Making London's streets safer, cleaner and more efficient

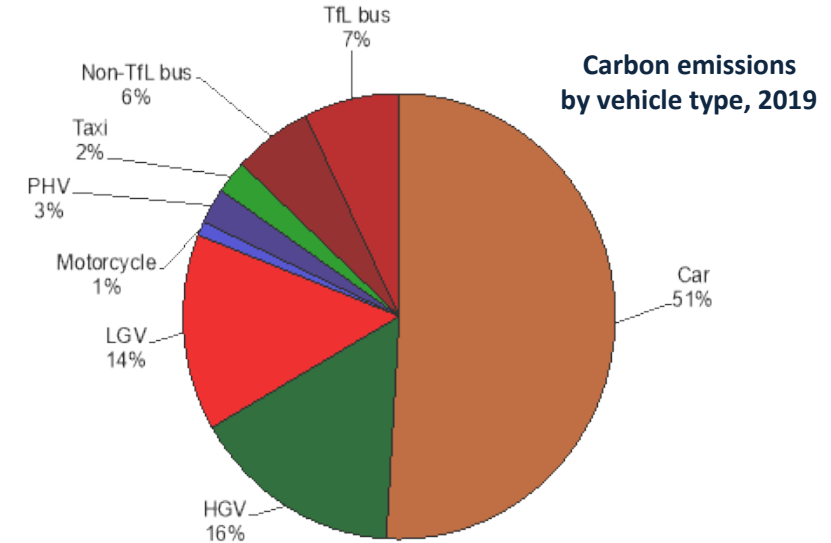
**Proposals**  
**Proposal 4.2**  
The Mayor will encourage businesses to switch to lower carbon vehicles, adopting smarter practices and reducing freight movements through better use of consolidated trips.

**Proposal 9.1.1.c**  
The Mayor will work with key stakeholders to reduce noise from freight activity in London.

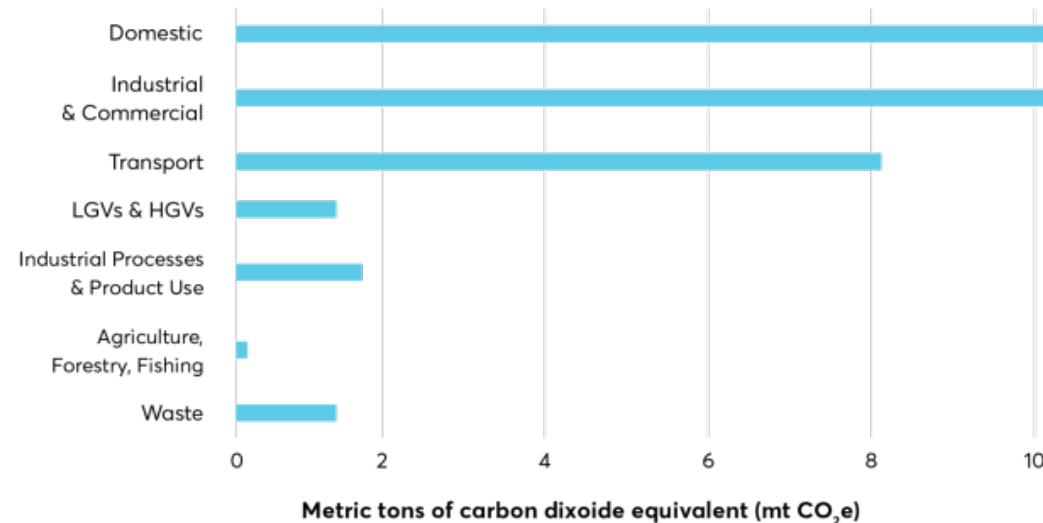
# The need for sustainable freight

## Transition to zero emission freight can have an **outsized emissions reduction impact.**

- Freight transport accounts for **one third of UK's transport emissions.**
- **Road freight alone comprises 77% of the freight transport total** (*DfT Dec 2021, BEIS 2020*).
- In London, HGVs and LGVs account for **30% of road transport GHG emissions** (2019 figures), second only to cars (51%).



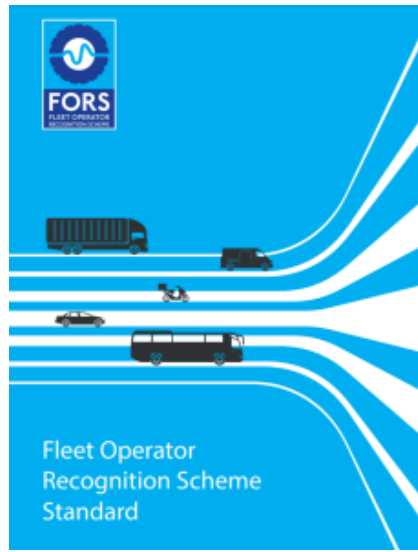
Emissions by sector



- Despite making up 15% of vehicle-miles in London, freight vehicles emit a quarter of the total carbon emissions in the city coming from transport (CFL, 2021), showing highly **carbon intense operations** compared with other vehicles.

Source: London Energy and Greenhouse Gas Inventory (2018). Note this is an estimate of emissions within the city.

# Key TfL initiatives to support sustainable freight



## Fleet Operator Recognition Scheme (FORS)

Changes to environmental requirements in version 7 of the standard



EV charging delivery across Places for London and TfL's estate

## Electric Vehicle Infrastructure Strategy and clean freight engagement



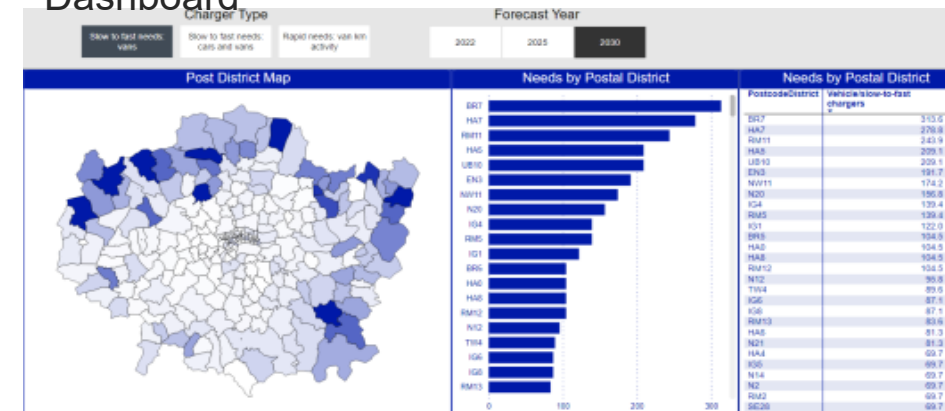
## LoCity

Platform to help organisations switch to cleaner fuels.

Zero Emission GLA deliveries through **responsible procurement**



## Commercial Fleet Dashboard





# Key TfL initiatives to support sustainable freight

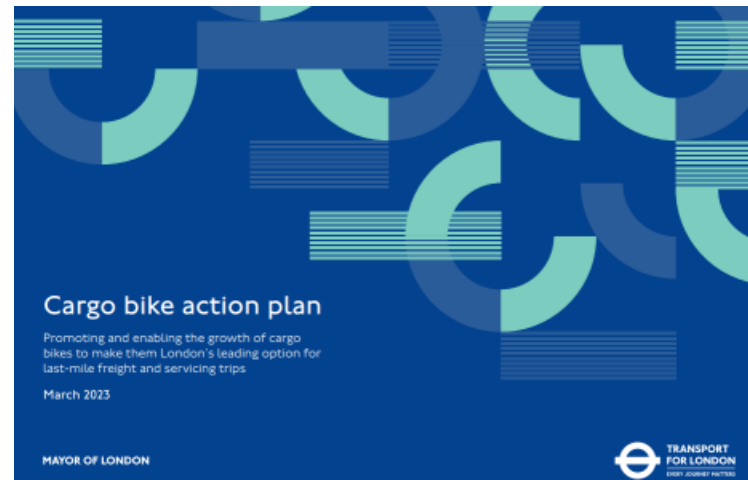


## Rail freight

In 2021, London's first Rail Freight Strategy since 2007 was published with renewed focus on express light rail freight

## Water freight

- DHL daily service with electric vehicles to Riverside Pier and cargo bikes from Bankside Pier.
- Pamphlet for light freight trials by water.



## Cargo Bikes

Action Plan – 11 specific TfL commitments and 5 additional recommendations for the industry

# Key TfL initiatives to support sustainable freight



## Creating a sustainable e-commerce ecosystem: Parcel Lockers

Retailer lockers are being rolled out across the TfL estate, partnering with Amazon and InPost.

Now we have over 50 locations across our transport network.

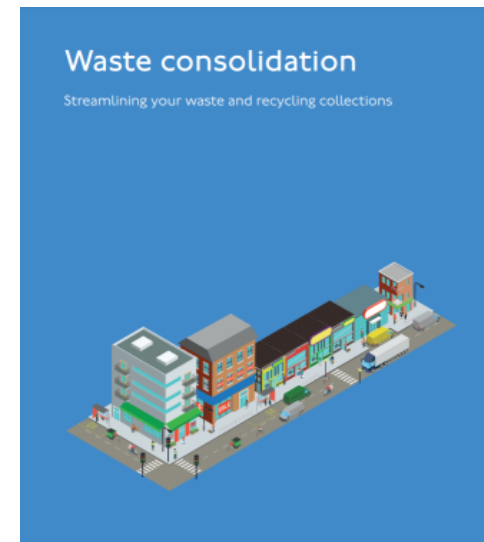
[We're communicating the environmental benefits of lockers](#), and other sustainable shopping behaviours, to our customers at key times of year.

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## Support businesses as consumers

We provide support to businesses as consumers to streamline deliveries and servicing.

Our [self-serve toolkits](#) help them to reduce the frequency of deliveries through consolidation, switch to cargo bikes, receive deliveries at quieter times,

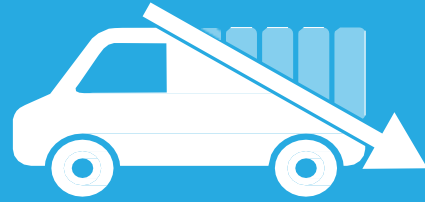


MAYOR OF LONDON



MAYOR OF LONDON





# LONDON FREIGHTL



Transport  
for London

# AB

# MAYOR OF LONDON



NHS

Guy's and St Thomas'

IN PARTNERSHIP  
WITH

JOHN LEWIS  
PARTNERSHIP



MOVED BY



# HUMANISING AUTONOMY

## 5 Trials implemented – final reporting due soon:

1. E-bikes and e-walkers (Fernhay, UPS)
2. Kerbside management (AppyWay, UPS, Royal Mail)
3. Sustainable type of tyres (ENSO Tyres, DPD, Royal Mail)
4. Air/noise pollution (EMSOL, Guys & St Thomas' Trust, John Leis, REEF)
5. Near misses (Humanising Autonomy)

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**TRANSPORT  
FOR LONDON**