

Eleventh Biennial Conference on Transportation Energy and Environmental Policy

Action Today to Protect Tomorrow: *London's efforts to curb traffic growth*

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Transport for London



- ⊖ Transport for London**
- ⊖ London's growth challenges**
- ⊖ T2025 and the Climate Change Action Plan**
- ⊖ Key policy areas**
 - Infrastructure investment**
 - Travel demand management**
 - Congestion charging**



2.6m passengers daily



0.5m cycle trips daily



**Transport
for London**

 **Transport
for London**

**Congestion
charging**



**Central
ZONE**

**Mon - Fri
7 am - 6.30 pm**



21,700 taxis



More than 8,000 buses
4.9m passengers daily

Challenges for London's future

London Today

- 7.5m people
- 4.6m jobs
- 27m trips per day

By 2025...

- +0.8m people (↑11%)
- +0.9m jobs (↑20%)
- +4.0m trips (↑15%)

Growth must be accommodated while achieving challenging CO₂ targets

60%

**CO₂ reduction target
for London by 2025**

- Existing targets are very challenging
- Science suggests tougher targets needed
- Success requires contributions from all sectors – including transport!

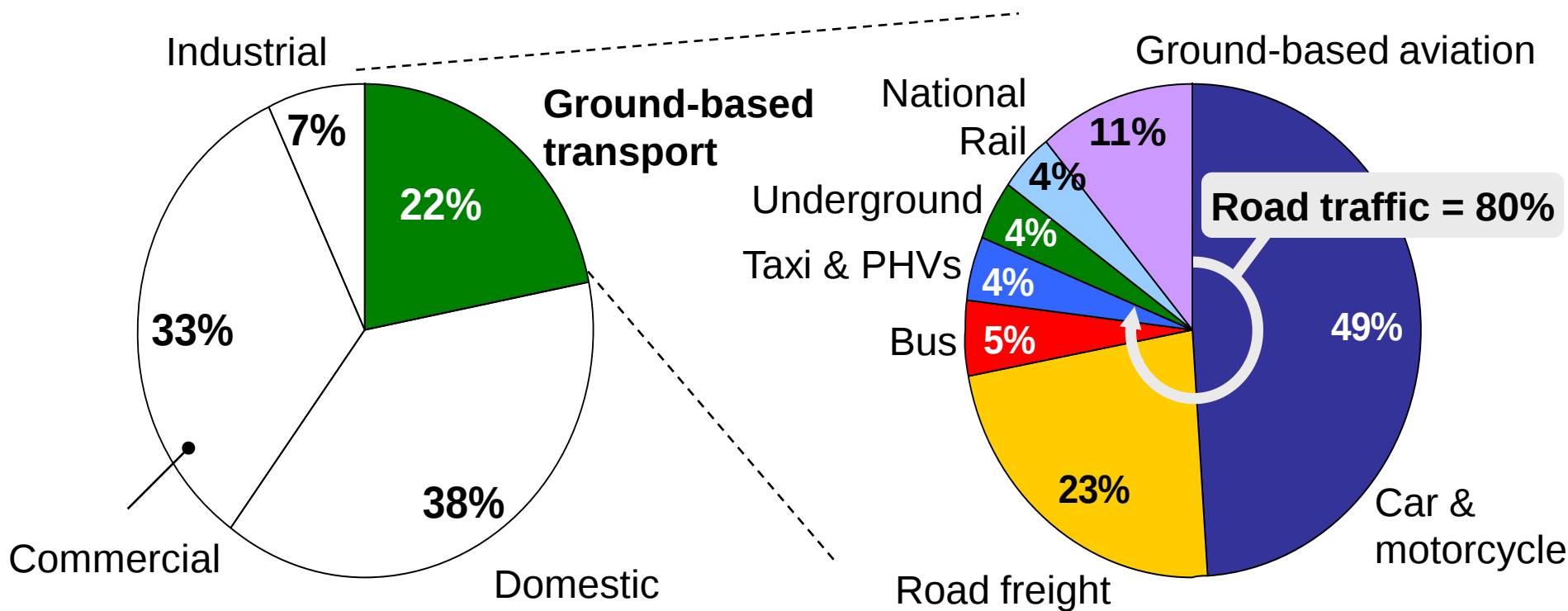
CO₂ emissions from London's transport sector

All sectors

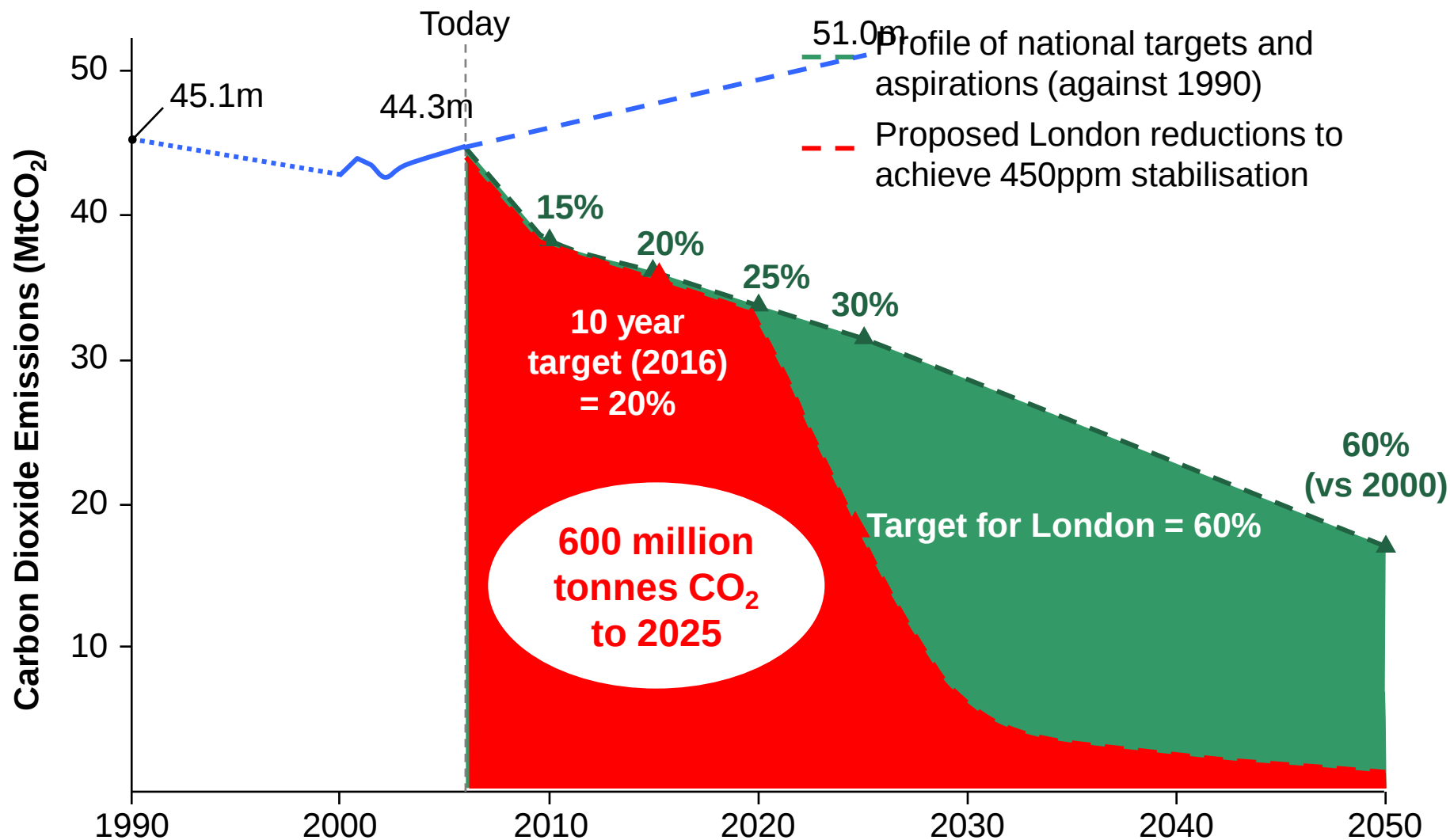
44 million tonnes CO₂

Transport sector

100% = 10 million tonnes CO₂



Required CO₂ reductions



Transport2025

Transport vision for a growing world city

- 20-year transport vision for London
- Recommends **integrated** transport policies and investments required to support
 - economic
 - environmental
 - and social objectives
- Maximise existing network utility and lock-in benefits of new capacity



Action Today to Protect Tomorrow
The Mayor's Climate Change Action Plan

- Don't have to reduce standard of living, but must change the way we live
- Sets out actions for all sectors, including transport:

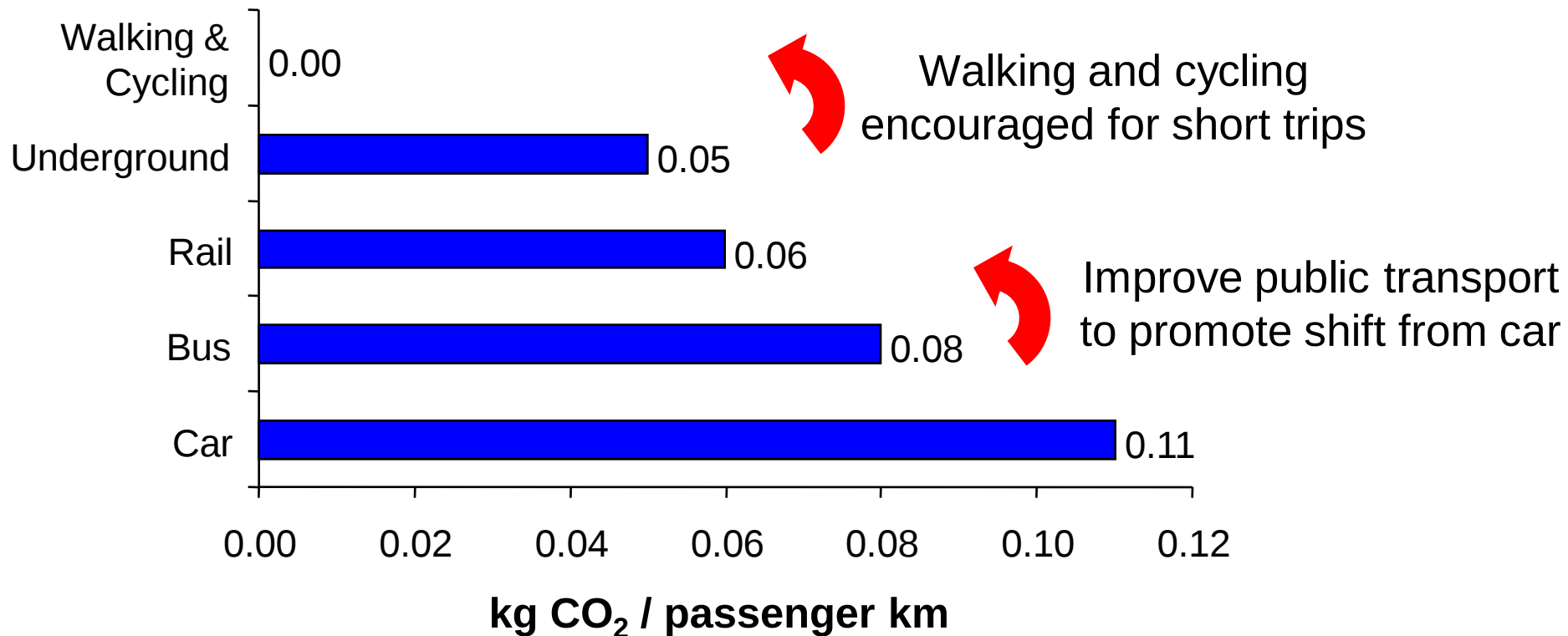
Changing the way Londoners travel

Operating vehicles more efficiently

Promoting lower-carbon vehicles, infrastructure and fuels

Shifting demand to sustainable modes is critical

Typical CO₂ emissions by mode



Continued investment in public transport and walking and cycling is required

Transport2025



- Tube upgrades
- DLR extension and London Overground
- Expanded bus network
- Public realm improvements to promote walking and cycling
- Crossrail

Travel demand management is critical to maximise infrastructure investment

**SMARTER
TRAVEL
SUTTON**

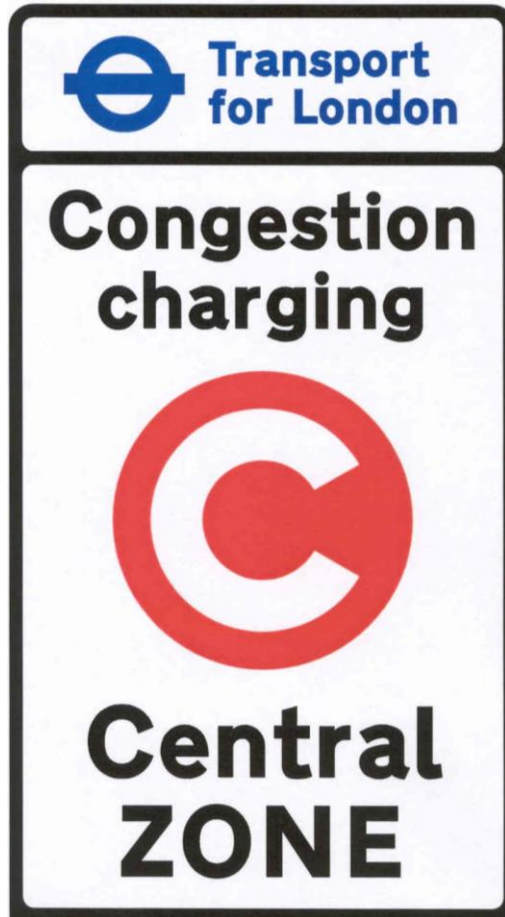
How is it different?



- 1 TDM measures will be implemented together in the same place
- 2 Programme will be adequately funded (£5m over 3 years)
- 3 Performance will be measured before, during and after pilot

Project Impact = 4-5% reduction in VMT

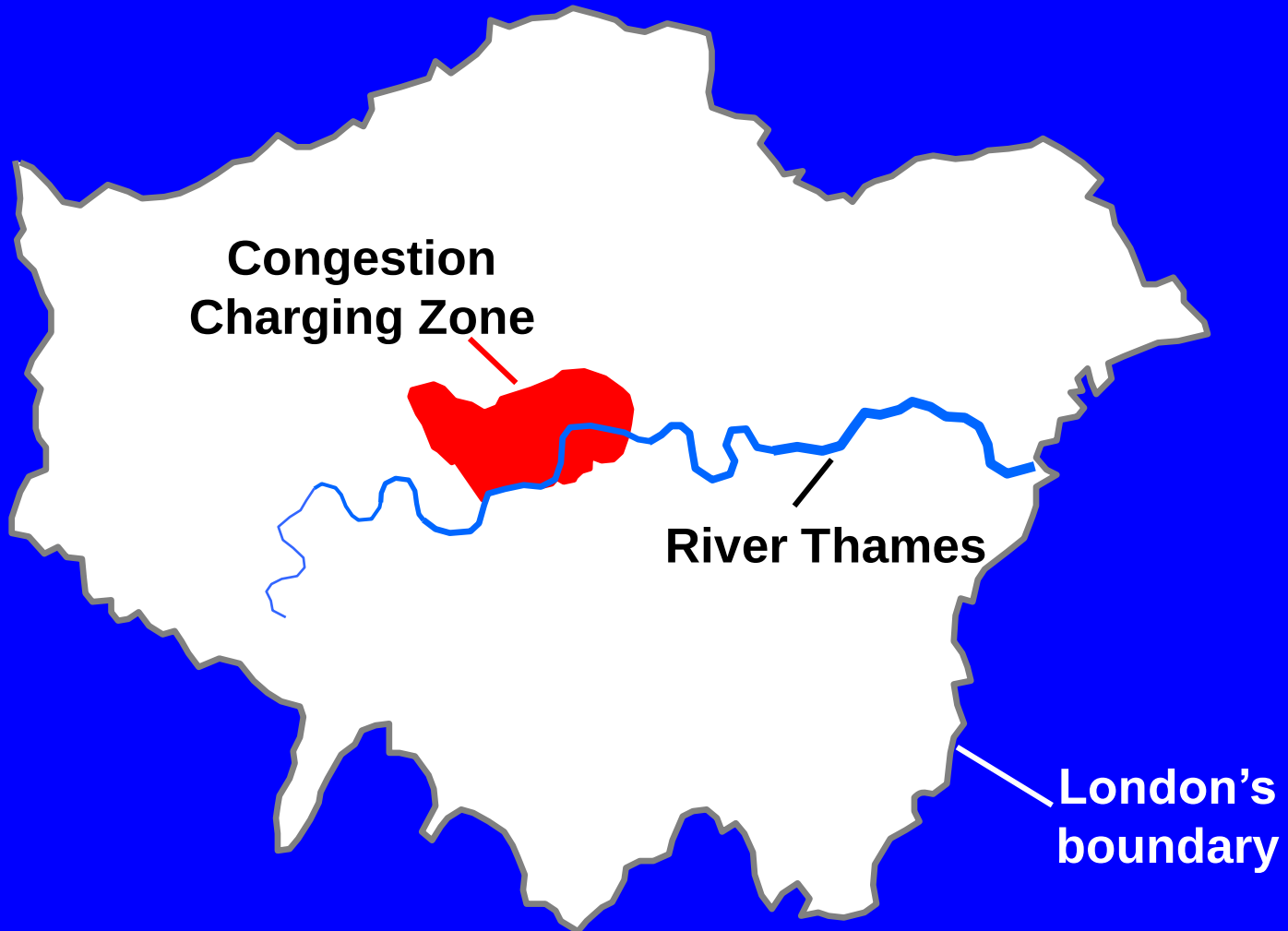
The Congestion Charge explained...



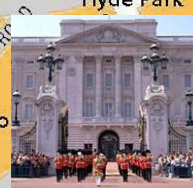
- Introduced February 2003, extended February 2007
- £8 daily charge
- Operates Monday to Friday, 7am to 6pm, excludes weekends and public holidays
- Some discounts and exemptions (including 90% resident's discount, disabled passes, alternatively fuel vehicles)
- Motorbikes, buses and coaches not included
- No barriers or tollbooths – enforced using cameras



Congestion Charge Zone



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Objectives of the scheme...

- To reduce congestion
- To make radical improvements to bus services
- To improve journey time reliability for car users
- To make the distribution of goods and services more efficient

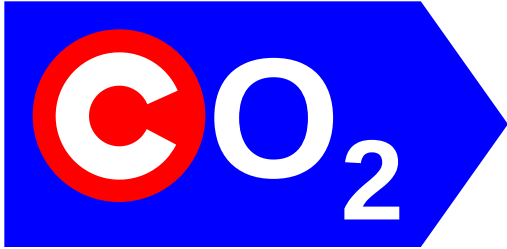
Summary of scheme impacts

- 20% reduction in traffic
- Congestion reduced by 30%
- Reduction in traffic accidents
- Neutral on business



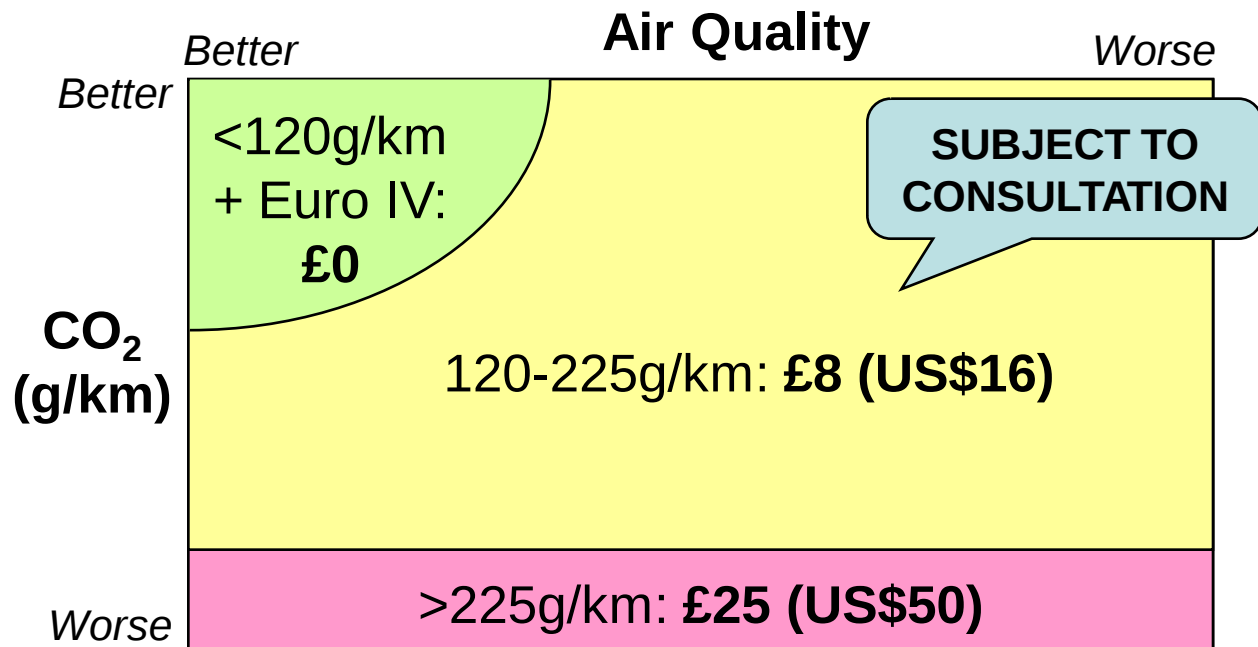
- Bus patronage up, reliability and journey time improved
- Little change in number of trips to central London, but significant mode shift to public transport

Emissions-related charging



Current scheme has reduced CO₂ emissions within the zone by 16%

Next step:
Emissions-related charging



90% residents' discount withdrawn for cars with CO₂ emissions >225g/km

Transport sector's contribution to CO₂ savings by 2025

Breakdown of savings by 2025

19.6 million
tonnes CO₂

Transport

22%

4.3m
tonnes

Commercial and
public sector

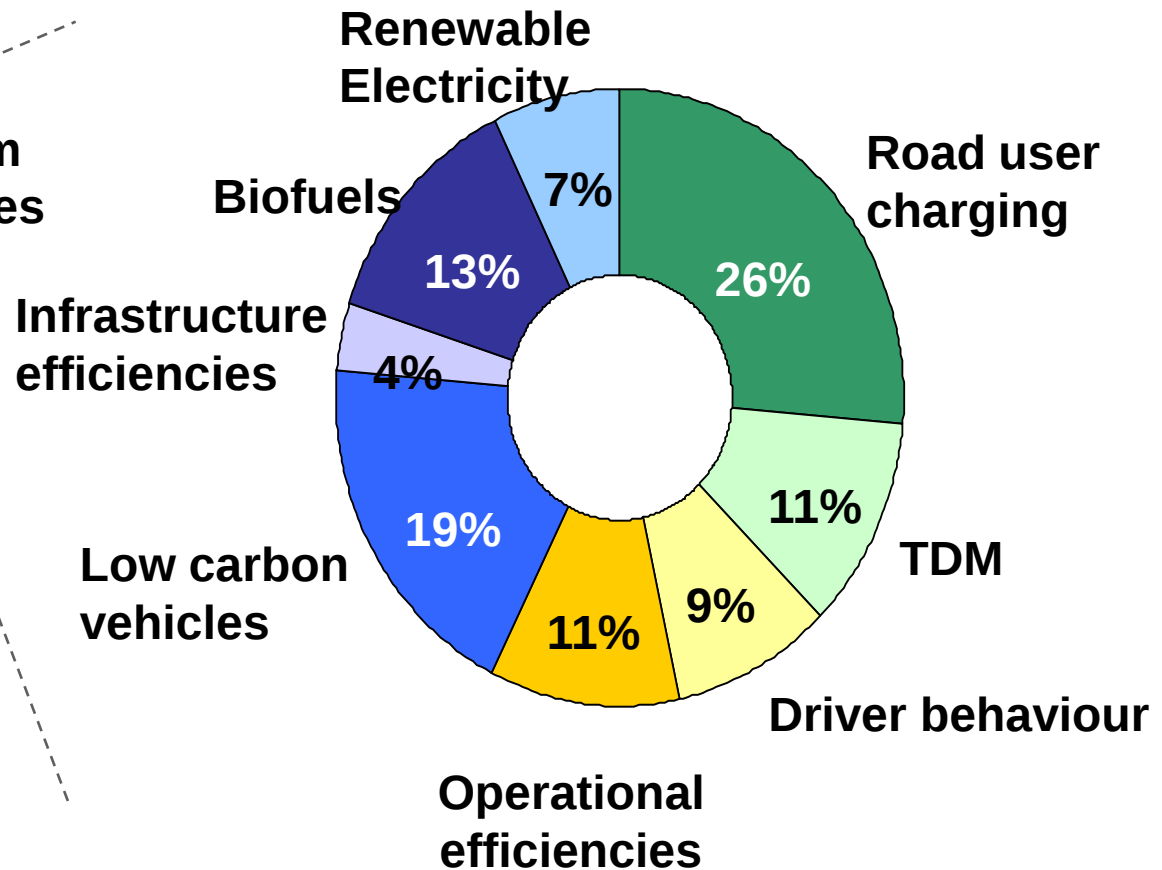
39%

Domestic

39%

Contribution to
Saving

Breakdown of transport sector savings



Transport2025

Transport vision for a growing world city

www.tfl.gov.uk/assets/downloads/corporate/T2025-new.pdf



Action Today to Protect Tomorrow
The Mayor's Climate Change Action Plan

www.london.gov.uk/mayor/environment/climate-change