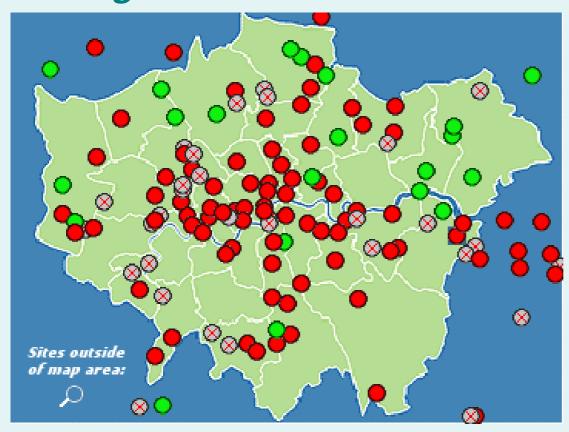
A cleaner London – options for taxis and taxi drivers

Greg Archer
Director
Low Carbon Vehicle Partnership

23 September 2005



Air pollution standards are widely exceeded throughout London



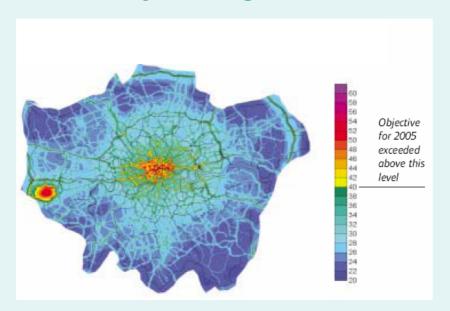
Air pollution in London leads to:

- □1,600 premature deaths
- 1,500 hospital admissions for respiratory illness
- 3,000 hospital admissions for heart issues or stoke



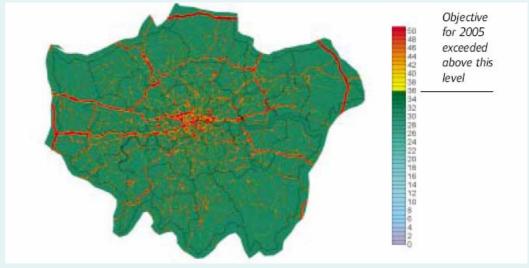


The principal air pollution problems in London are caused by Nitrogen dioxide (NO2) and particles (PM10)



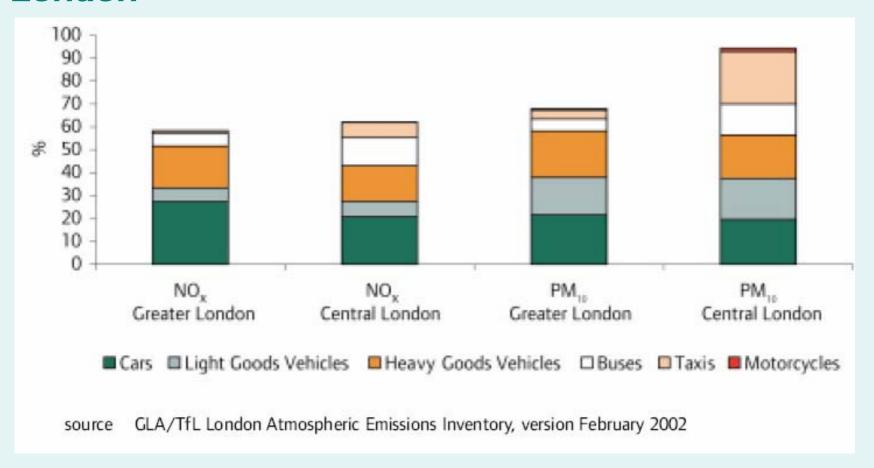
Nitrogen Dioxide

PM10





Traffic is the principal source of air pollution in London



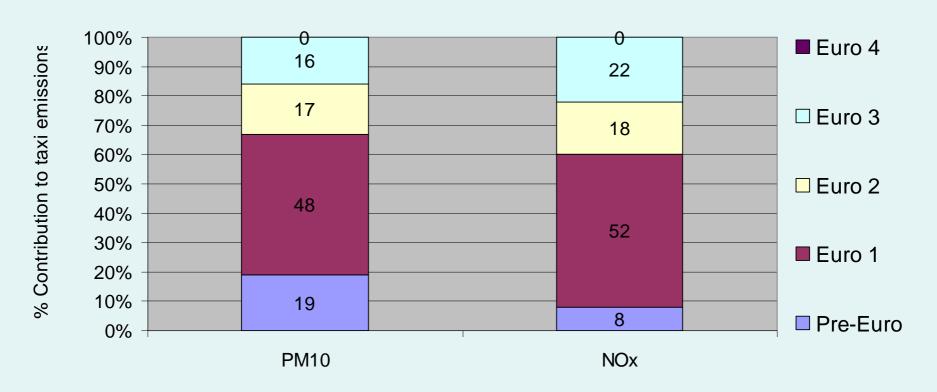
Taxis contribute



- □ c25% of PM10 in Central London
- □ c10% nitrogen oxides

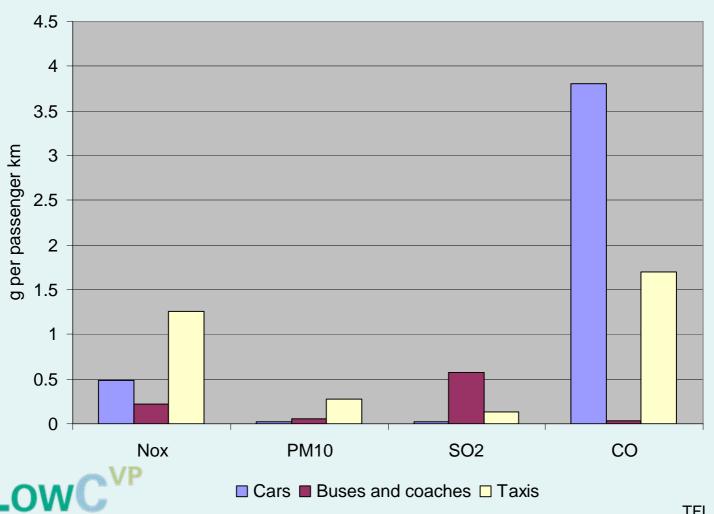
Most of the pollution of from Euro 1 or older taxis

Contribution of vehicle types to taxi emissions inside the M25

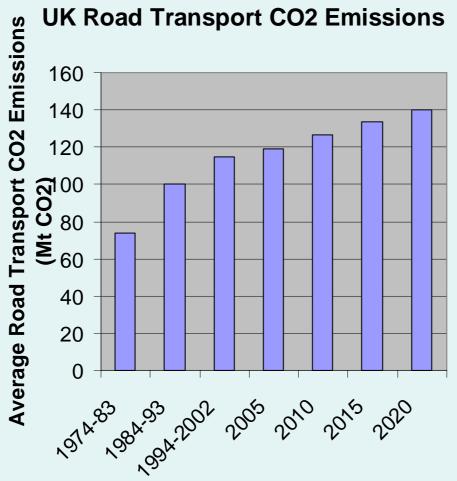




Taxis produce relatively large amounts of air pollution per passenger km compared cars and buses



Vehicles also cause about a quarter of the UK emissions of carbon dioxide the main greenhouse gas





Hurricane Rita is further evidence of accelerating climate change

"The increased intensity of these types of storms is very likely to be due to global warming"

- Sir John Lawton
- ☐ The frequency of the most severe hurricanes has increased from 18% ('70-'74) to 35% ('00-'04)
- Katrina estimated to cost >\$200Bn,
 - Rita ???





Birmingham tornado 29/7/05



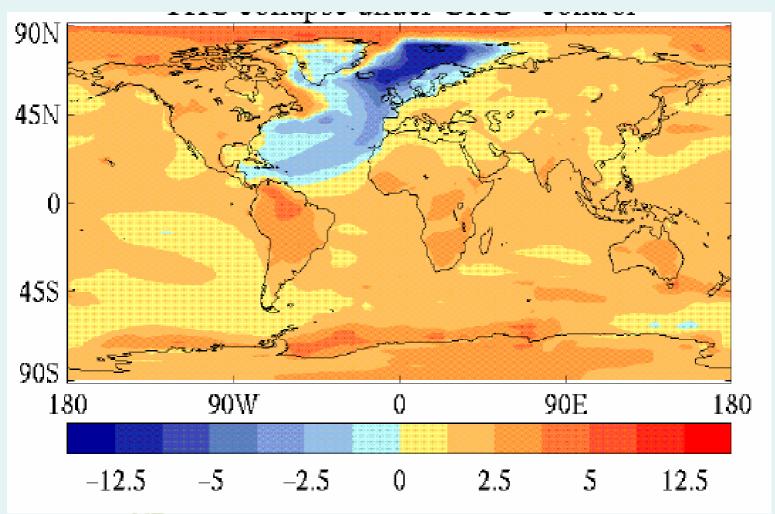






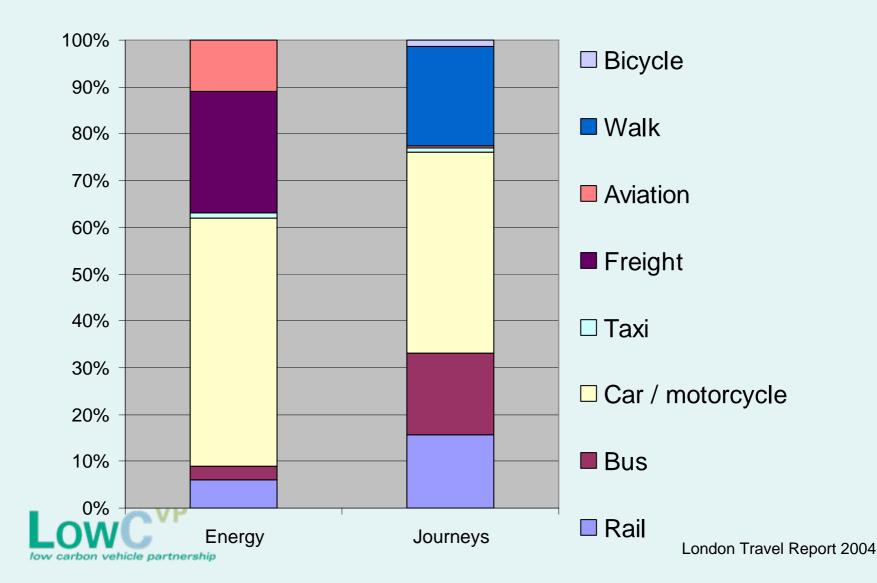
http://blogs.warwick.ac.uk/bhavinshah/entry/birmingham_tornado/

Growing evidence indicates the oceans are influenced by climate change - with potentially extreme consequences





Energy consumption and journeys made in London



We can choose less polluting options ...



Toyota Avensis 2.4 WT-i 227g/km

Toyota Prius 104g/km





Even less polluting 4x4's!



Lexus RX400h – 192 g/km

Lexus RX300 – 288 g/km





We have choices at home too ...







A range of less polluting taxis are also

available





Options to improve the environmental performance of taxis

	Environmental Benefits		Applicable to		
	Urban air		New		_
	quality ¹	CO ₂ ²	Vehicles	Retrofit ³	Taxi
Fuel Additive			Yes	Yes	
Particulate Trap ⁸			Yes	Yes	
Oxycat ⁸			Yes	Yes	
Repowering				Yes	
New vehicle9			Yes		
LPG (vs petrol)			Yes	Yes	
LPG (vs diesel)			Yes	Yes	
NG			Yes	Yes	
Electric			Yes		
Hybrid			Yes		
Strong environmental benefit			Strong potential financial savi		
Some potential environmental benefit			Some potential financial savir		

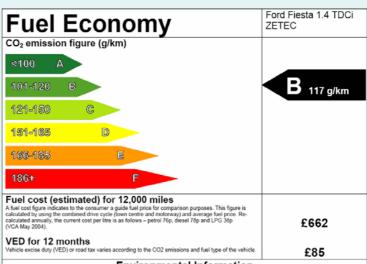


Low Carbon Vehicle Partnership

Accelerating a sustainable shift to low carbon vehicles and fuels in the UK

Stimulating opportunities for UK businesses





Environmental Information

A guide on fuel economy and CO₂ emissions which contains data for all new passenger car models is available at any point of sale free of charge. In addition to the fuel efficiency of a car, driving behaviour as well as other non-technical factors play a role in determining a car's fuel consumption and CO₂ emissions. CO₂ is the main greenhouse gas responsible for global warming.

	Make/Model Ford Fiesta 1.4 TDCi ZETEC Fuel type Diesel			Engine capacity (cc): 1399 Transmission type: 5 speed manual		
Fuel Consumption:						
Drive cycle		Litres/100km		Мрд		
Urban 5.		5.4		52.3		
	Extra-urban 3.8			74.3		
	Combined		4.4		64.2	

Carbon dioxide emissions (g/km): 117g/km

Important note: Some specifications of this make/model may have lower CO₂ emissions than this. Check with your dealer.









Thank you

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