Private Sector Perspectives on Policy Instruments for GHG Mitigation in the Domestic Transport Sector

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Alstom and Sustainable Mobility

Less energy consumption

5x less energy than planes per passenger km

Less CO₂

5x fewer emissions than a bus, 7x less than a car

Less impact on landscape

Trains

5x less energy than planes per passenger km

Metros

5x fewer emissions than a bus, 7x less than a car

Trams

Ground level power supply

Reduced noise

* In primary energy equivalent

** With an European energy mix and standard occupancy rates
Road-pricing

Singapore

London

Stockholm

Milan
Road-pricing for trucks
Car-Parking

Utrecht

Helsinki
Regulating vehicle emissions

- EU Regulation of Cars and Vans
- Average emissions falling 4% pa
- Down 31% since 1997
CO2 taxes in transport

Impact on Fuel Use

Impact on GHG Emissions

Source: Cambridge Econometrics.
CO2 Emissions Trading and Transport

Australian ETS

Shenzhen ETS pilot
Key role of urban planning
Conclusions

• Road-pricing key

• Vehicle standards key

• Impact of CO2 pricing unclear

• Need bigger picture, esp. urban planning

• ...... and mobilise low-carbon finance
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