XXIVth WORLD ROAD CONGRESS Mexico City 2011

UK National Report

Mitigating the impact of the road transport system on climate change

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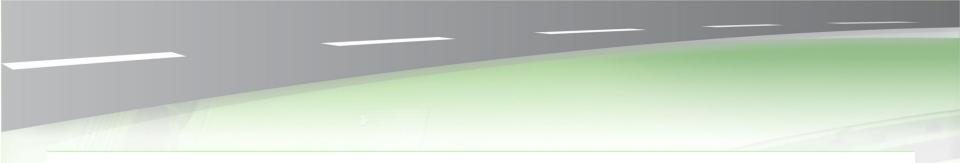






The following authors require acknowledgement:

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Policy Context

UK Climate Change Act 2008

- 80% reduction in greenhouse gas emissions below 1990 levels by 2050
- 26% reduction by 2025
- Sets 5 year carbon budgets as route to 2050
- Requires agencies to measure and reduce carbon footprint of direct operations and managed supply chain operations



Policy Context

Low Carbon Transport: A greener future – a carbon reduction strategy for transport

- Sets actions for DfT to deliver Climate Change Act targets
- Priority on shift to new technology, alternative fuels and using market mechanisms to encourage shift to low carbon transport





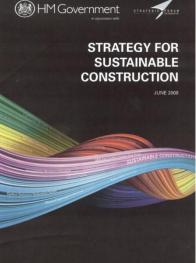
Other National Policy Guidance

Low Carbon Transition Plan

- National cross sector strategy
- 34% reduction in carbon emissions by 2020

2008 Strategy for Sustainable Construction

- Construction targets
- Includes 25% materials responsibly sourced by 2012



Highways Agency

Carbon Framework

- Whole lifecycle approach
- Framework for carbon reduction over 60 year timescale

Midnight Switch-off

- Potential 40% network operational energy saving
- Midnight to 5.00am on selected sections of motorway



Network Rail



Next steps – integration of carbon into investment decision making process



Transport Scotland

- 2009 Report on policy options
- Focus on Demand Management for greatest impact
- Led to £28 million investment in ITS



DRD Roads Service

Emphasis on modal shift

- Non motorised user safety improvement schemes
- Bus priority measures (bus lanes, park and ride etc)
- Strategic road improvement programme

Procurement initiatives

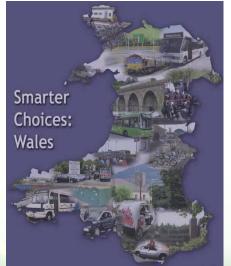
- Sustainability included in tender assessment
- Initiatives include recycling, solar lighting and reduced waste to landfill



Welsh Government

One Wales One Planet 2009

- Improved walking and cycling options
- Best use of existing HOV lanes, HSR, variable speed limits, bus priority lanes etc
- More sustainable travel centres
- Increased transport planning input to policy (e.g. schools)
- Bus and train improvements





Department for Transport

Central Government Initiatives

- Cycling, walking and employee travel plans
- Office for Low Emission Vehicles (OLEV):
 - Electric vehicle grants (£5000 on qualifying vehicle purchase)
 - Recharging infrastructure (match funding city initiatives)
 - Low carbon vehicle R&D funding





Summary

Strong central government policy framework leading to good response in the four road authorities

Themes :

- Management of embedded carbon materials and waste
- Modal shift to lower carbon options
- Application of new technology to achieve emission reduction targets (ITS, Electric Vehicles etc)

