

# Transportation Profession Route to Net Zero - Update

Andrew Crudgington, Climate Change Associate

Council – 23 June

# CIHT Climate Pledge

---

We have a key leadership role to play in supporting our members to adapt and respond, as well as demonstrating our own policy commitment to support adaptive behaviour for achieving net zero emissions by 2050 (2045 in Scotland).

---

The Climate Change Committee has highlighted the areas where change is required. These areas are all where CIHT members are active and influential and include travel, energy consumption, building techniques and technology

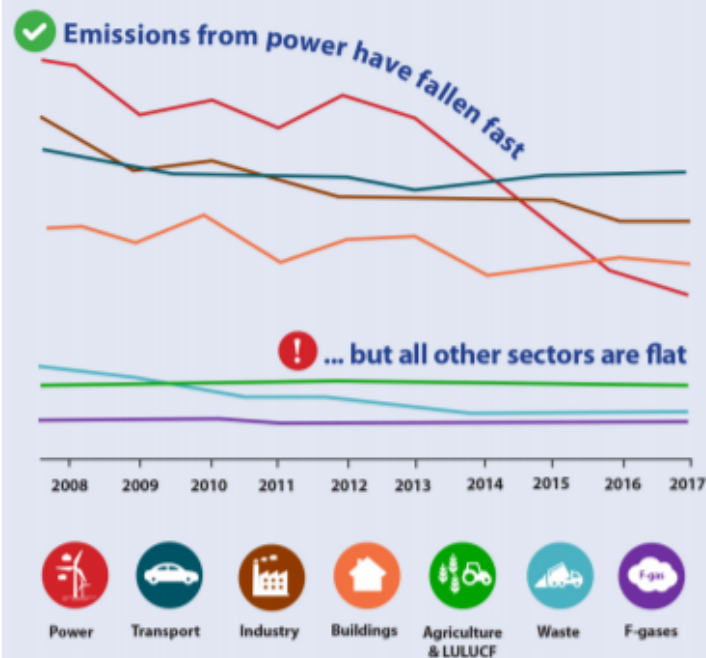
# Agenda

- Exam Question & the Engagement Process
- The centre-piece - *Carbon Literacy* for transportation professionals?
- Next Steps
- Questions for Council

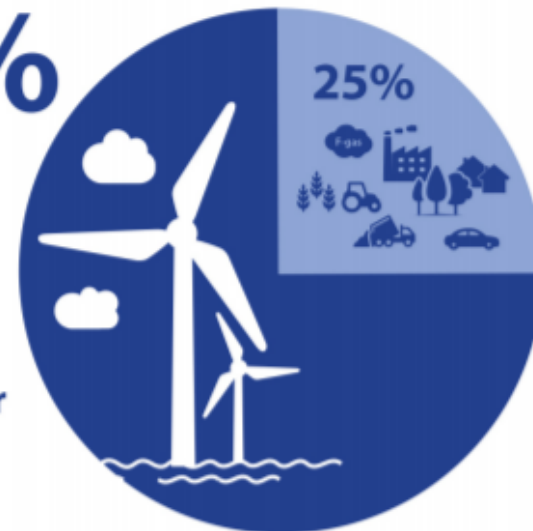
# Transport and Industry are the 2 greatest sources of UK emissions

Excellent progress in reducing emissions from electricity generation masks failure in other sectors

The UK's greenhouse gas emissions have reduced by 43% compared to 1990 levels, on the way to a target of at least an 80% reduction by 2050.



**75%**  
of emissions  
reductions  
since 2012  
have come  
from the  
power sector



Clear goals, ambitious strategy and well-designed policies have been effective. These lessons must now be applied to other sectors

# CCC tell us that by 2035 we need to deliver this...

<b>AVOID &amp; SHIFT</b> By reducing how much we travel ... in conventional vehicles	<b>IMPROVE</b> What we travel in
Cars 9%	No new sales of petrol/diesel cars and vans (2032)
Vans 3%	Electric Vehicles = 64% of all cars and 68% of all vans on the road.
HGVs 10%	Zero-emission HGVs = 96% of all sales Zero emission bus and coach = 99% of bus and coach sales
<b>CCC Policy Priorities</b>	<b>CCC Policy Priorities</b>
Modal shift, increased occupancy, home working, 30-minute cities, better logistics, consolidation centres	Roll out of low carbon technology and supporting infrastructure

# ...and make progress with this



Design optimisation (including no/low build)



Recycling and reuse



Material substitution



Energy efficiency & fuel switching

# So the question for CIHT is...

High Impact on  
Transport Sector  
Decarbonisation

<b>CIHT has low influence</b>		<b>What goes here? In what order? Who will contribute?</b>	<b>CIHT has high Influence</b>

Low Impact on Transport  
Sector Decarbonisation

# Who have we asked?

ADEPT

Department for Transport

Highways England

Network Rail

Transport for the North

Transport Scotland

Transport for the South East

Transport for the West  
Midlands

Atkins

AECOM

Arup

Mott MacDonald

Project Centre

WSP

Bentley

City Science

Gaist

Onwave

Tarmac

Balfour Beatty

Colas

Costain

Graham

Kier

Morgan Sindall

Tony Gee

Carbon Trust

Construction Leadership  
Council

Friends of the Earth

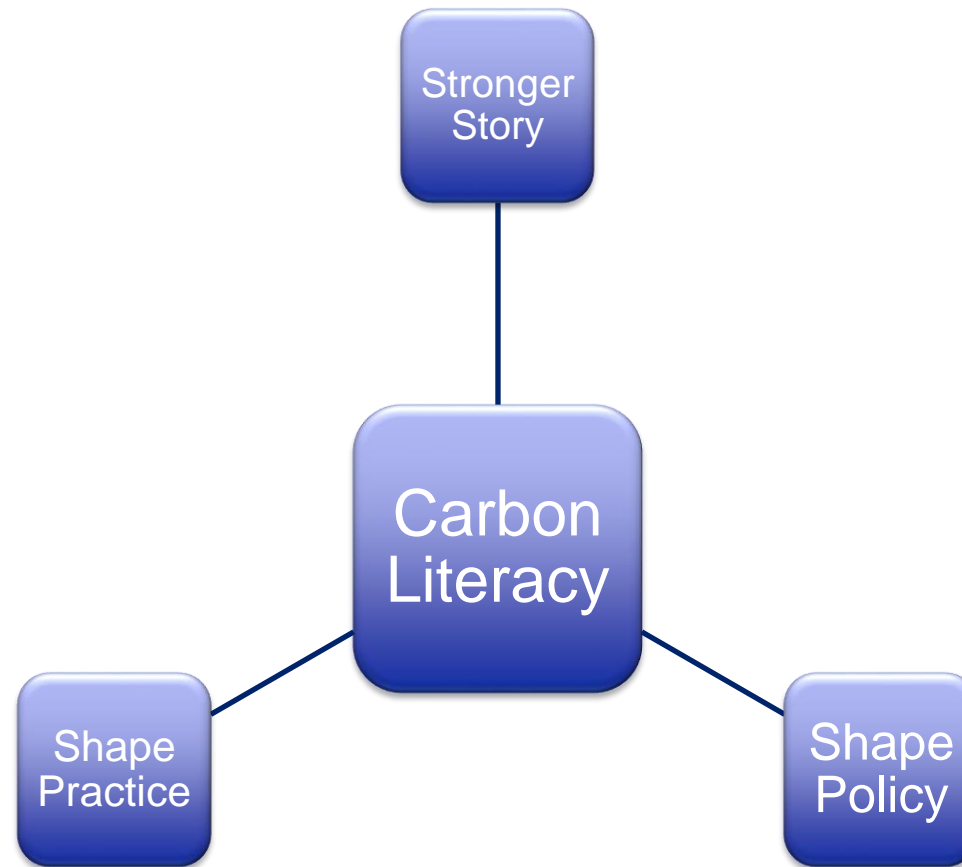
Transport Focus



# ...and who are the Advisory Group

Baroness Brown	Past Vice-Chair, Climate Change Committee
Lynn Basford	Basford Powers
Susan Claris	Vice President, Living Streets/Associate Director, Arup
Mike Childs	Head of Science, Policy & Research, Friends of the Earth
Glenn Lyons	Professor of Future Mobility, University of West of England
Scott Wardrop	Chief Executive, Eurovia & Vinci Construction UK
Lorraine Whitmarsh	Professor of Environmental Psychology, University of Bath

# Their Advice? Creating a route to Carbon Literacy for transportation professionals is where we can have greatest impact and should unlock other opportunities



# A definition of carbon literacy...

An awareness of the carbon dioxide costs and impacts of everyday activities, and the ability and motivation to reduce emissions, on an individual, community and organisational basis

## **The Carbon Literacy Project**

# ...and what do I mean by Carbon Literacy for Transportation Professionals?

## Basic

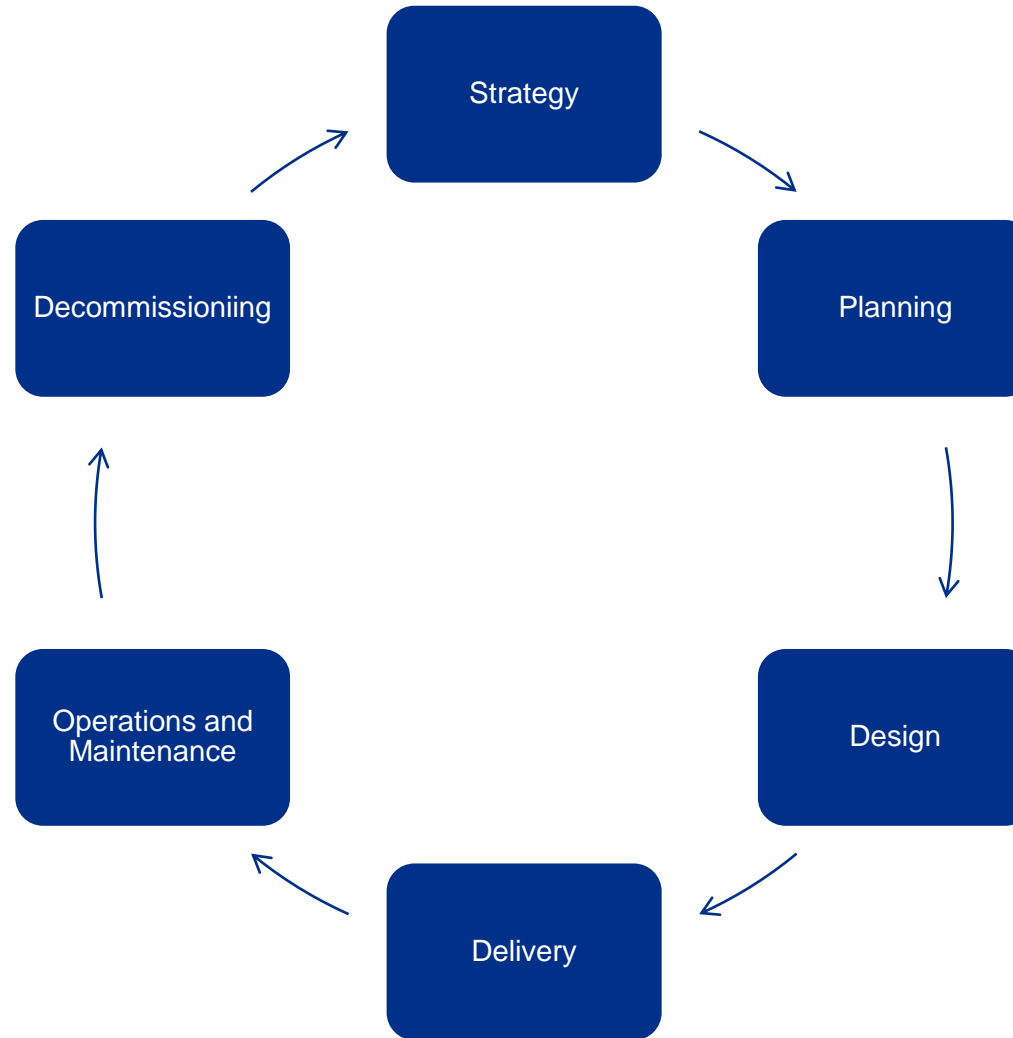
- Establish basic knowledge and capability requirements for all transportation professionals
- Roll out education, training and support to all CIHT members

## Role Specific

- Support professionals to develop awareness, knowledge, experience and proficiency required for their role
- Create a rolling programme starting with the groups with greatest influence on decarbonisation

..and creating (or simply identifying) communities of practice that can shape standards, specifications, policy et al

**...and by groups I mean the key roles under these headings (or something like them)**



# Next Steps

- Test the proposition with stakeholders – including today's discussion
- Basic research (what's in the market, approach of other professional bodies)
- Initiate a project to scope, test and deliver

# Questions to Council

- Do you feel that *Carbon Literacy for transportation professionals* is an appropriate foundation of our response to Net Zero?
- Does it reflect the scale and urgency of the challenge?
- Would it resonate with your organisation?
- Are there alternatives you want us to consider? Could they be enabled by a *Carbon Literacy* programme

# Do get in touch!

Andrew.Crudgington@ciht.org.uk