

Is the UK prepared for the electric and low emission vehicles future?

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Policy-UK Forum



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Are we clear what the future looks like? Goals, Ambitions, Objectives

Do we understand what needs to change? Vehicles, Fuels, Travel, Sharing

Do we have a plan how to get there? Steps, Transitions, Evolution/Revolution

Are we creating the supply chain? Vehicles, Fuels, Infrastructure, Mobility

Have we stimulated the demand? Vehicles, Fuels, Infrastructure, Mobility

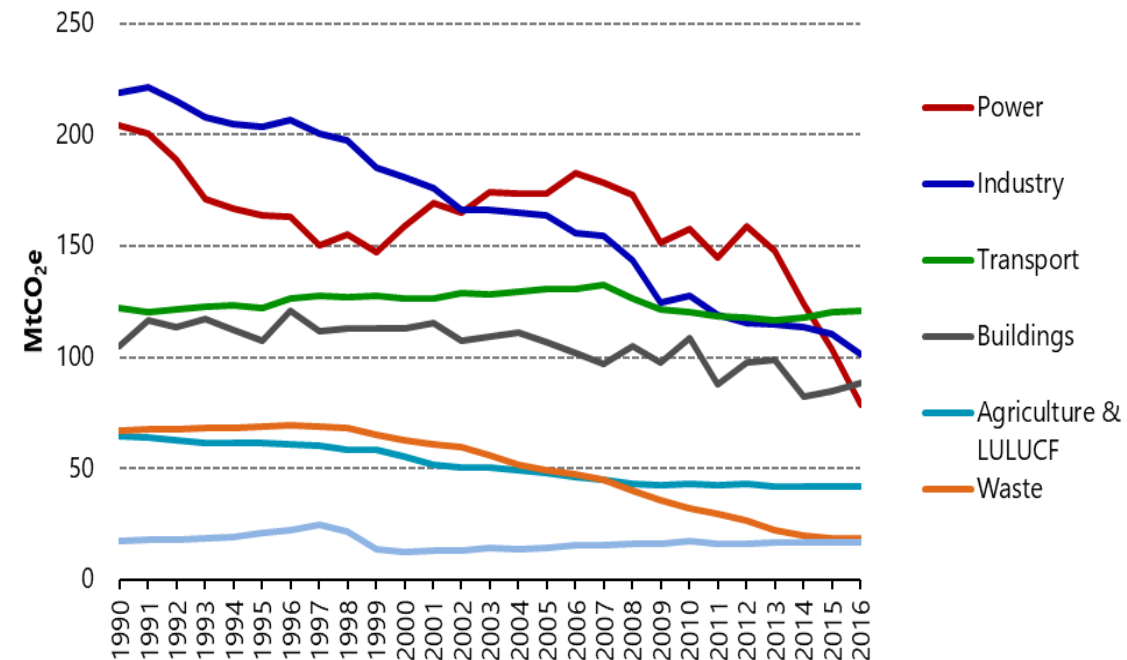
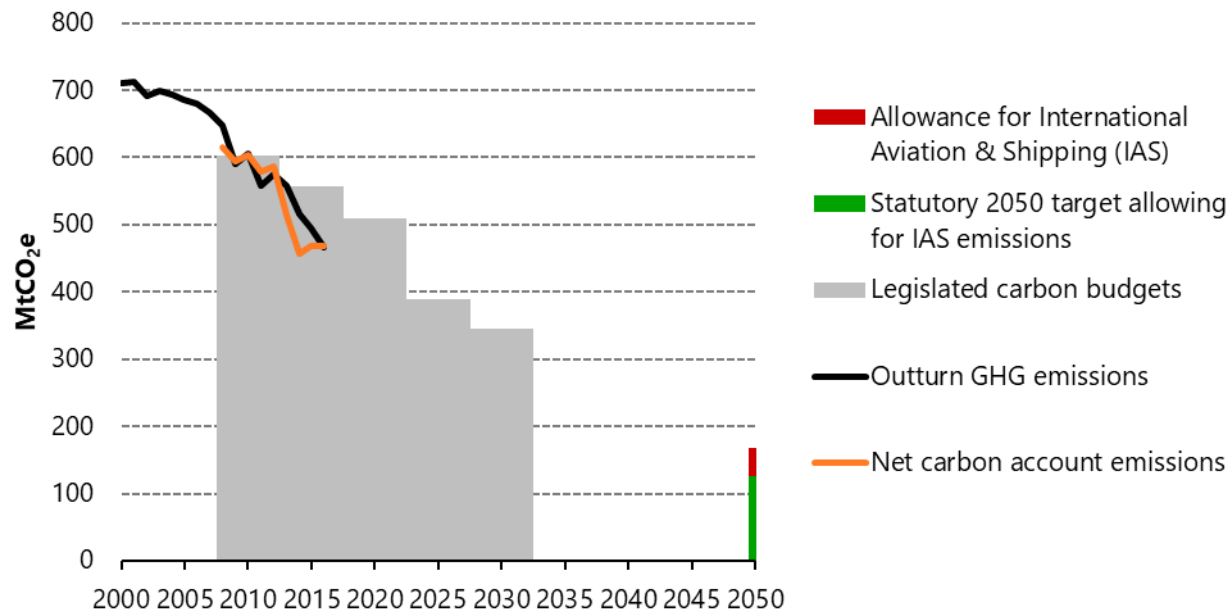
Do the Policies drive Progress along the Plan?

What is the vision and need?

Do we know what the end goal is?

The Climate Change Act 2008 ensures that the net UK greenhouse gas emissions by 2050 is at least 80% lower than the 1990 baseline.

Electricity Generation and heavy industry are already decarbonising, but the emissions from the transport sector is actually growing.



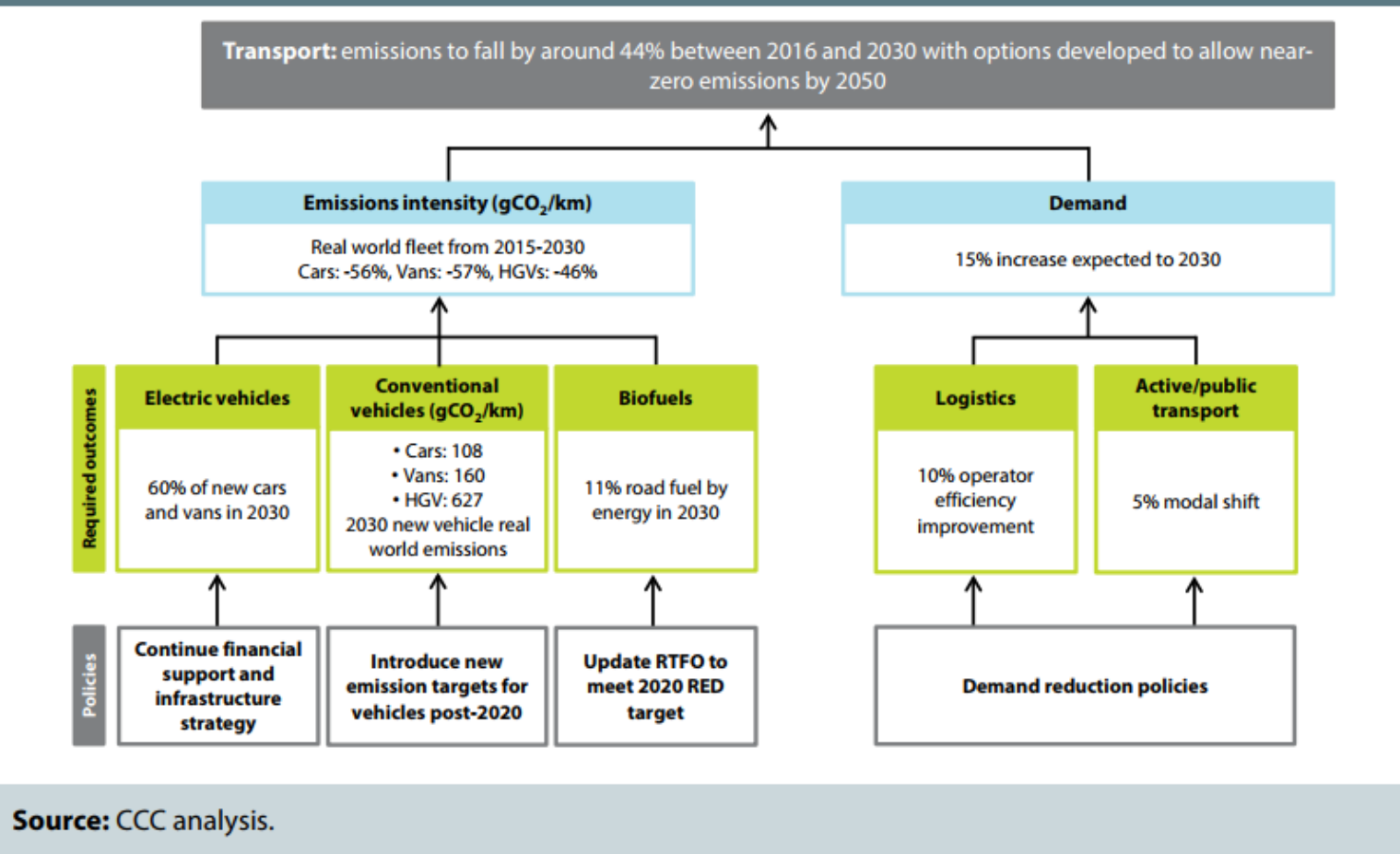
The Plan(s)

Box 6.1 Summary of transport indicators

Indicators include:

- Falling carbon intensity of new cars to 95 gCO₂/km in 2020 from the current 158 gCO₂/km.
- 240,000 electric cars and plug-in hybrids delivered through pilot projects by 2015, and 1.7 million by 2020.
- 3.9 million drivers trained and practicing eco-driving by 2020.
- Policy strengthening to include:
 - Support for electric cars and plug-in hybrids. A comprehensive strategy for rolling out electric cars and plug-in hybrids, including a funded plan for charging infrastructure, and large-scale pilots starting at the end of the first carbon budget period.

Figure 5.3. CCC indicators for the transport sector



Supply

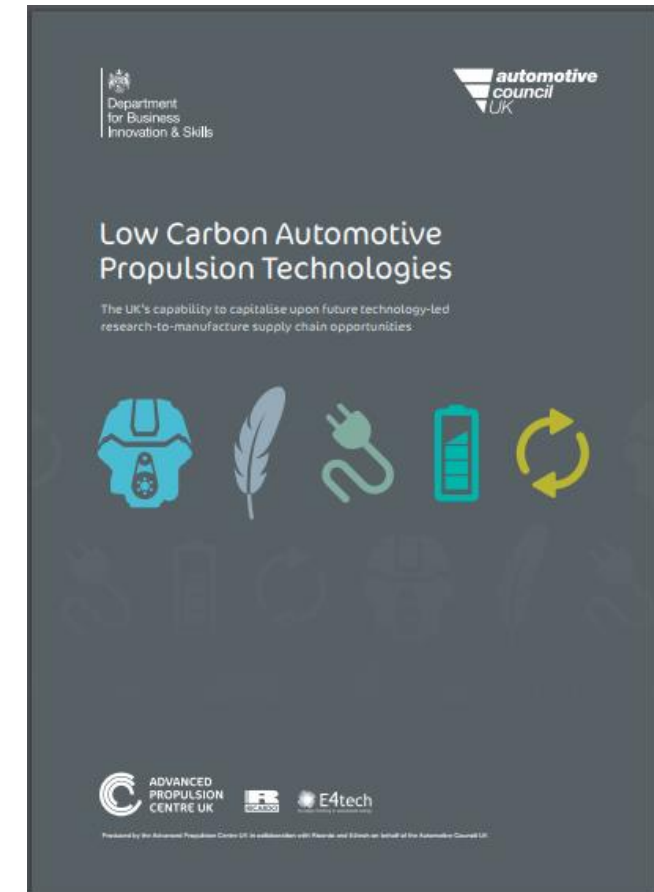
APC, OLEV, Innovate UK, Automotive Council, SMMT, AIO.....

UK ecosystem for low carbon propulsion from concept to production

Transport Systems Catapult, Future Cities....

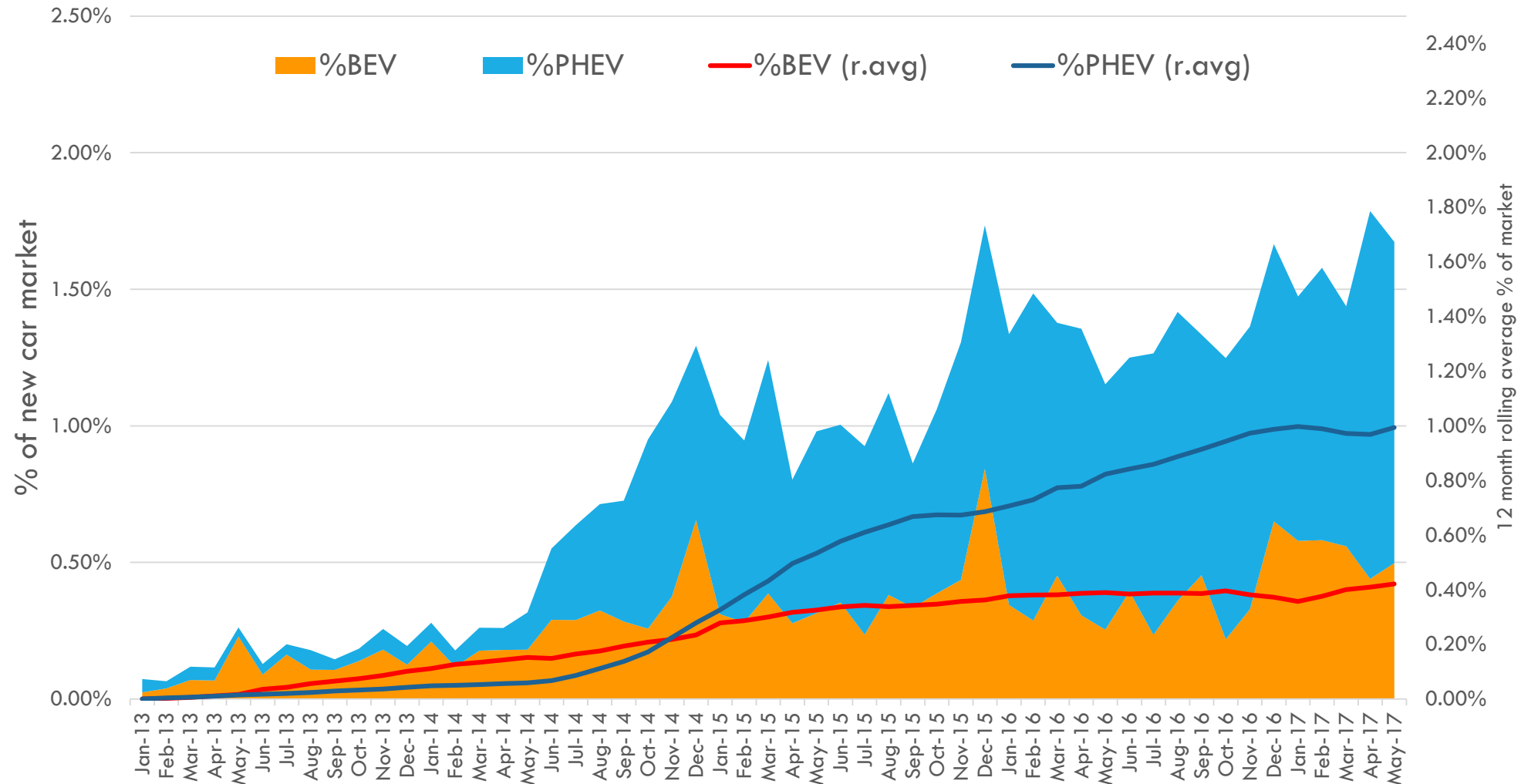
UK ecosystem for mobility

Nothing similar for low carbon fuels?



Demand - current ULEV Market

ULEV car market growth (SMMT data, LowCVP analysis)

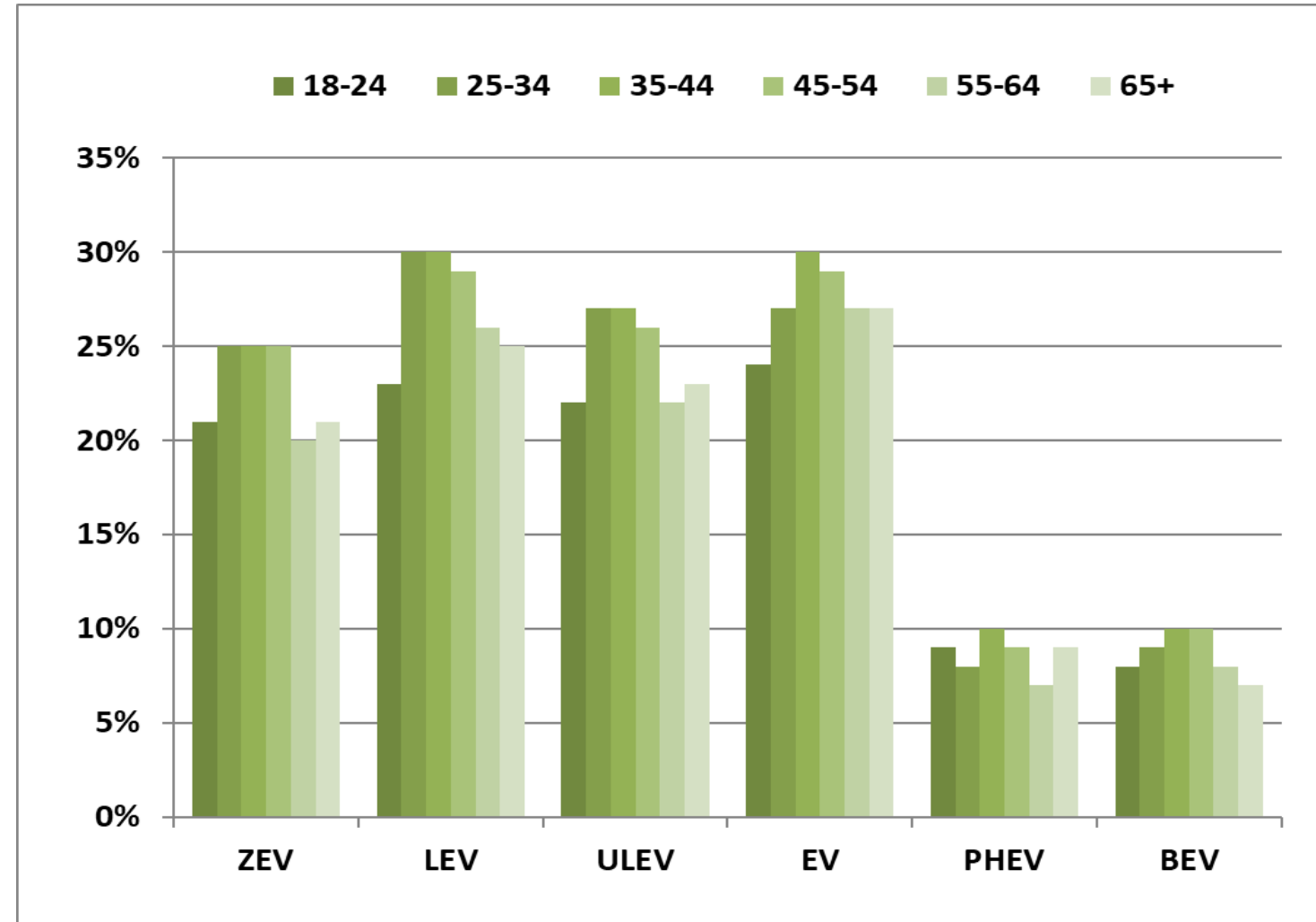
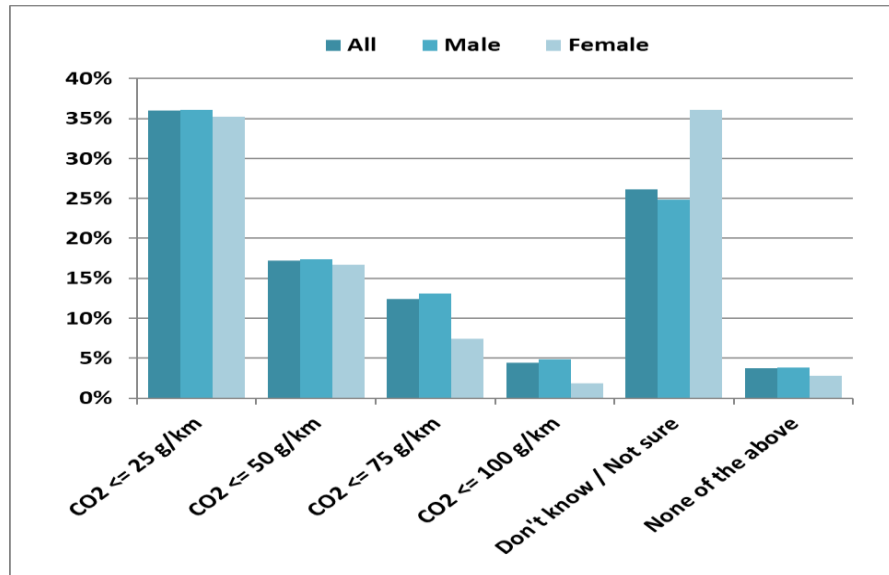


Demand - What are we talking about?

Survey of 15,000 UK motorists carried out
By LowCVP

25% knew what ULEV stands for

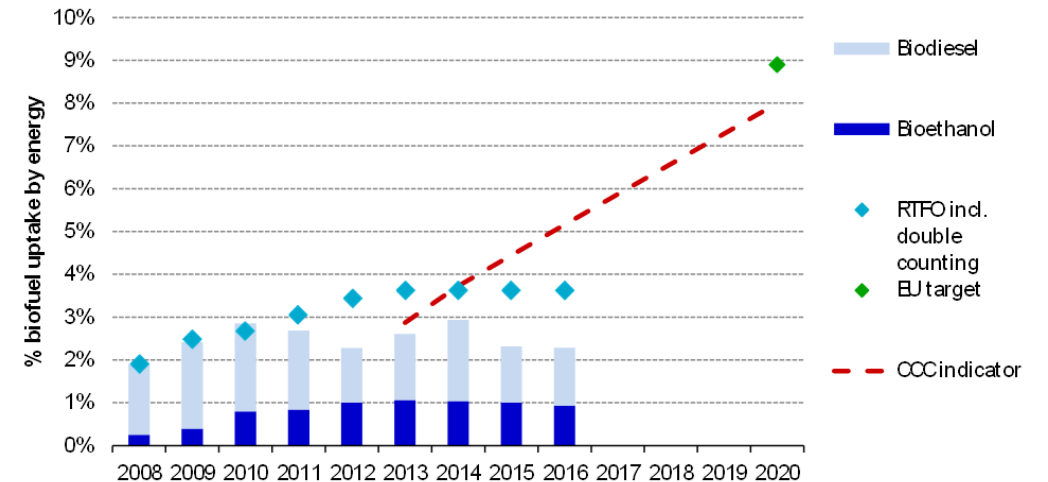
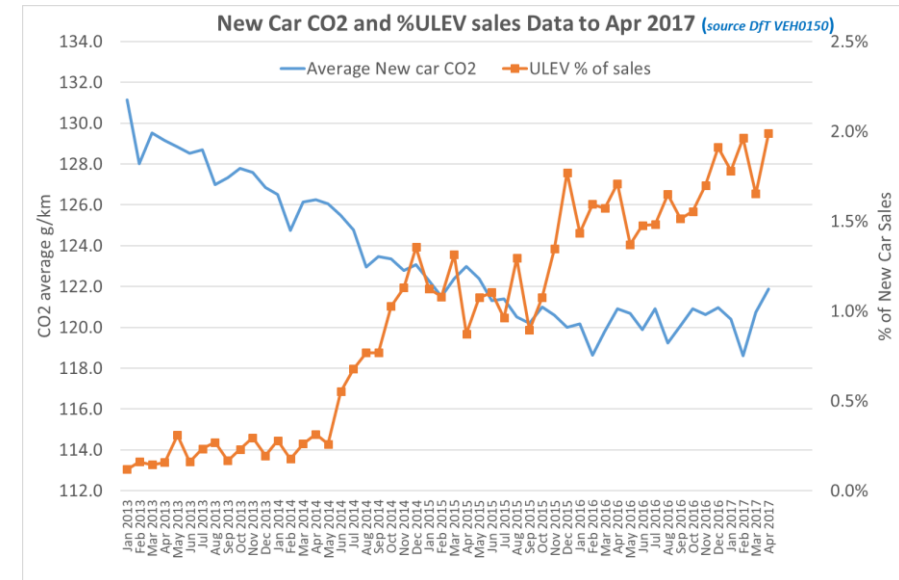
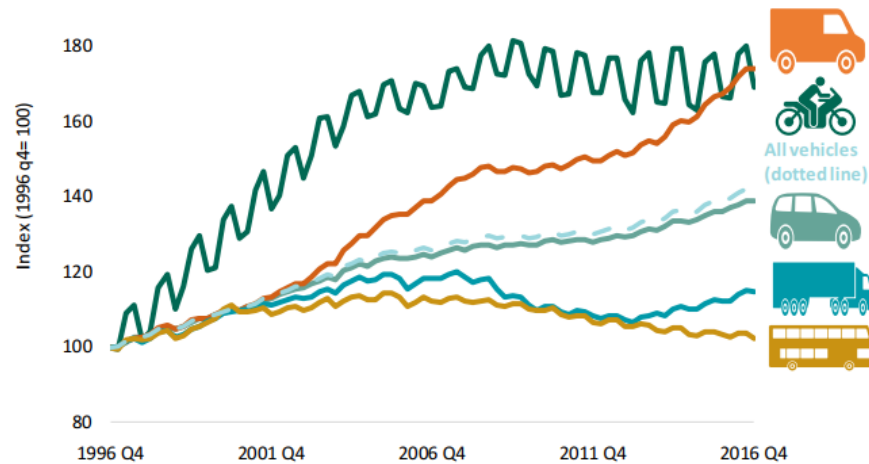
Separate Survey of 1000 EV drivers only
10% knew the ULEV definition



Progress

More vehicles coming on the road?
Customers not choosing low carbon?
Policy vacuum for fuels?

Figure 3: Licensed vehicles by type, GB: Q4 1996 - Q4 2016



Is the UK prepared?

Ambition?

Understanding?

Plan?

Supply?

Demand?

**Some good points
coming through but the
narrative needs some
work to engage your
audience . Marks: 6/10**