



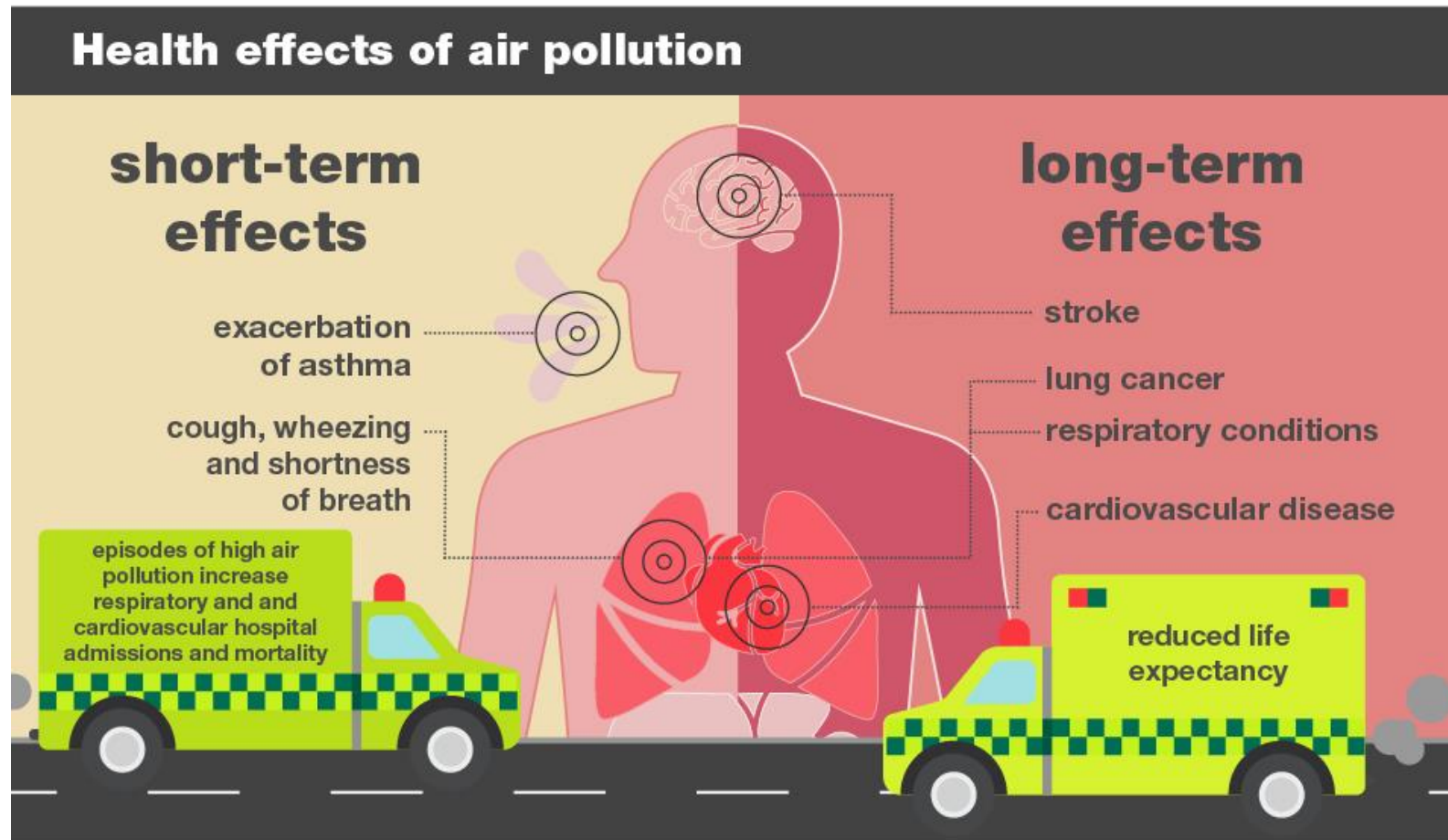
Leading UK
Logistics

APSE Energy Event The Logistics Emissions Reduction Scheme

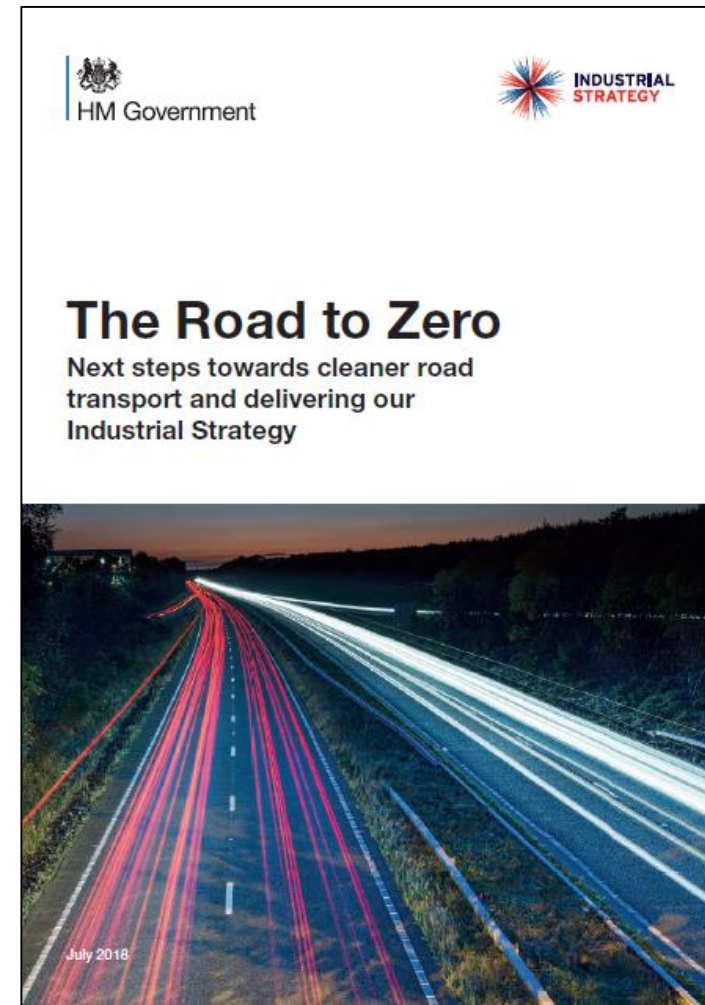
Rebecca Kite
FTA

November 2019

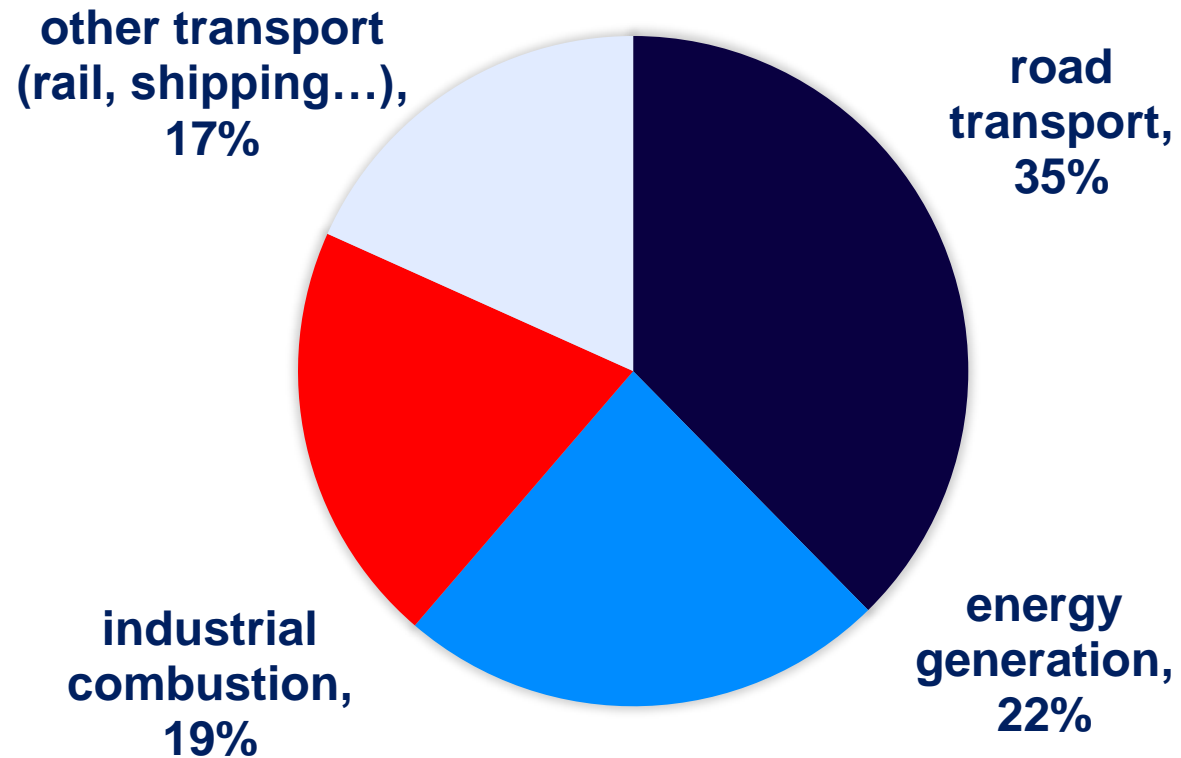
Health impacts of poor air quality



Political Landscape



NITROGEN OXIDES (NO_x)



Nitrogen oxide emissions are decreasing and have fallen by 72% since 1970 (and 27% since 2010).

The Government wants to reduce emissions of nitrogen oxides (from the 2005 baseline) by 55% by 2020 and 73% by 2030.

What is LERS?



Logistics Emissions Reduction Scheme

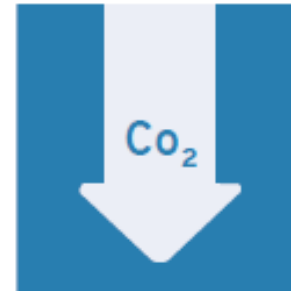
What is the Logistics Emissions Reduction Scheme? (LERS)



138 Members



**88174 Commercial
vehicles (HGVs and Vans)**



4%
reduction in
CO₂ emissions



0.72kg
average CO₂e per
vehicle



13%
lower emissions
than the industry
average

- Free to join Industry initiative to record, report and reduce emissions from freight transport
- Sponsored by industry partners



Mobil Delvac 1™



Which data is collected?

ESOS data - Excel

Becki Kite

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B18

	2018 DATA										COMPANY NAME			SCROLL DOWN FOR YOUR COMPANY GRAPH		
1	REPORT REDUCE RECORD LERS															
2																
3																
4	Quarter	Diesel (LITRES)	Petrol (LITRES)	Gas oil/Red diesel (LITRES)	CNG (KG)	LNG (LITRES)	LNG (KG)	Electricity (KWH) for vehicles only	Biodiesel (if used in concentrations above standard diesel)	Bioethanol (if used in concentrations above standard petrol)	LPG (LITRES)	Biomethane (KG)	Hydrogen	Total vehicle kilometres relating to fuel usage	Comments	
5																
6	Total 2018															
7																
8	Total CO2e	0	0		0	0	0	0	0	0	0	0	0			
9																
10								Total CO2e		0				KM		
11	Notes													CO2e	#DIV/0!	
12																
13	2017 DATA															
14																
15																
16	Quarter	Diesel (LITRES)	Petrol (LITRES)	Gas oil/Red diesel (LITRES)	CNG (KG)	LNG (LITRES)	LNG (KG)	Electricity (KWH) for vehicles only	Biodiesel (if used in concentrations above standard diesel)	Bioethanol (if used in concentrations above standard petrol)	LPG (LITRES)	Biomethane (KG)	Hydrogen	Total vehicle kilometres relating to fuel usage	Comments	
17																

Fuel data Vehicle data Conversion factors

Ready

Series 1 Point "Euro 4" Value: 46 (7%)

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Data continued- Fleet data

ESOS data - Excel

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Alignment: Wrap Text, Merge & Center

Number: General, Percentage, Decimals

Styles: Conditional Formatting, Format as Table, Cell Styles

Cells: Insert, Delete, Format

Editing: AutoSum, Fill, Clear, Sort & Filter, Find & Select

R2

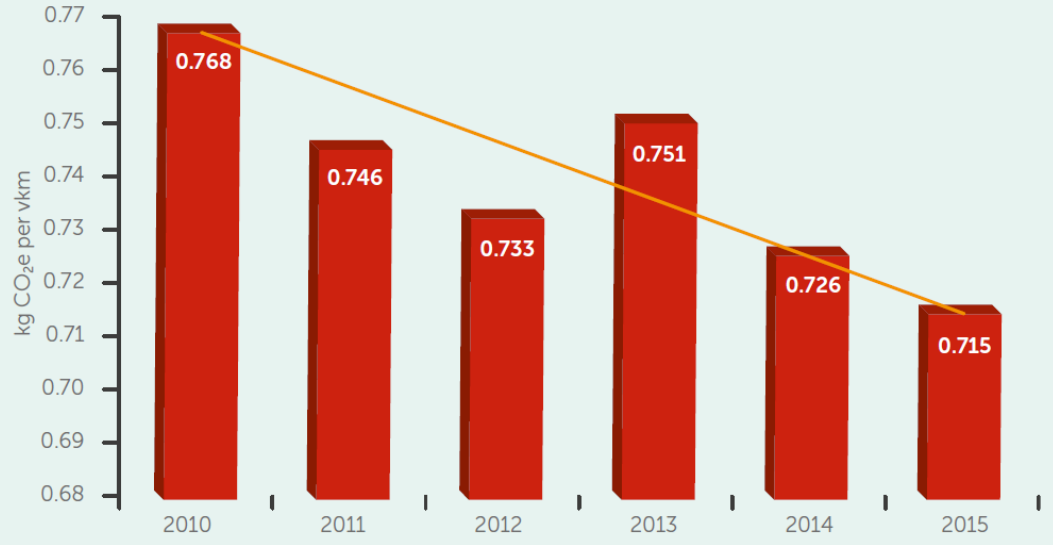
	HGVs - commercial vehicles over 3.5						Vans - commercial vehicles up to 3.5					Trailers			
	Total	Euro VI	Euro V	Euro IV	Euro III	Other	Total	Euro 6	Euro 5	Euro 4	Euro 3	Other	Double deck	Longer	Semi-Trailer
2018															
Breakdown of Euro standards															
Totals	Euro VI	0					Breakdown of Euro Standards - Hgvs					Breakdown of			
	Euro V	0					0%								
	Euro IV	0													
	Euro III	0													
	Other	0													
	Euro 6	0													
	Euro 5	0													
	Euro 4	0													
	Euro 3	0													
	Other	0													

Fuel data | **Vehicle data** | Conversion factors

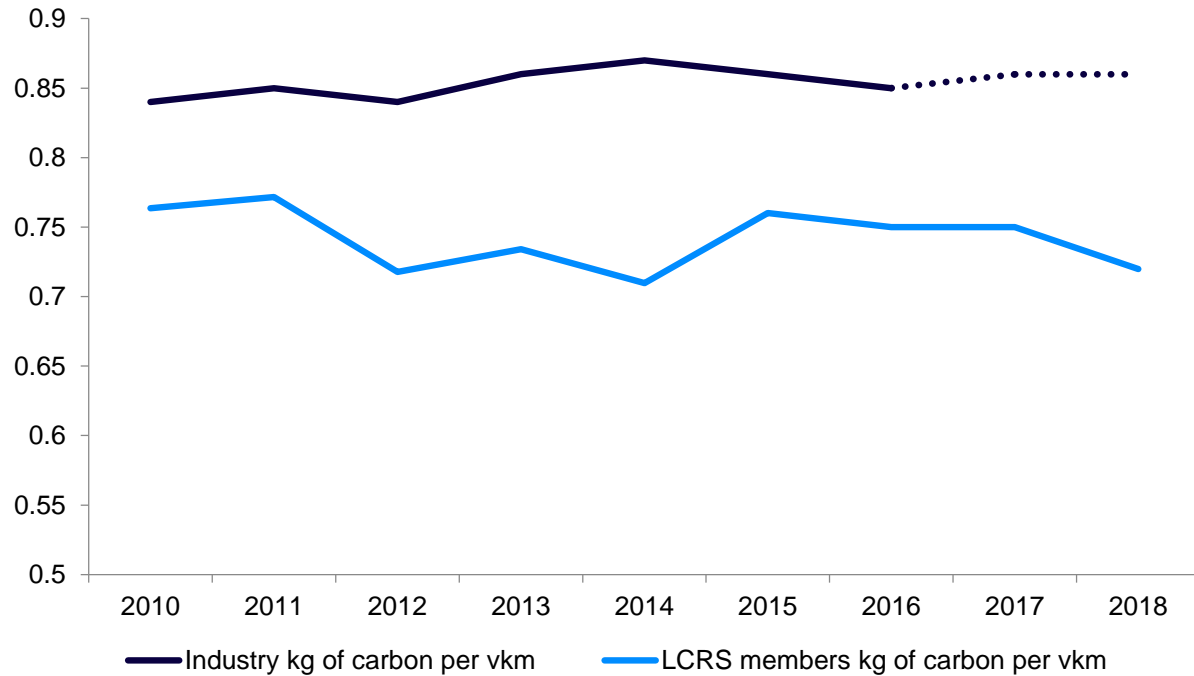
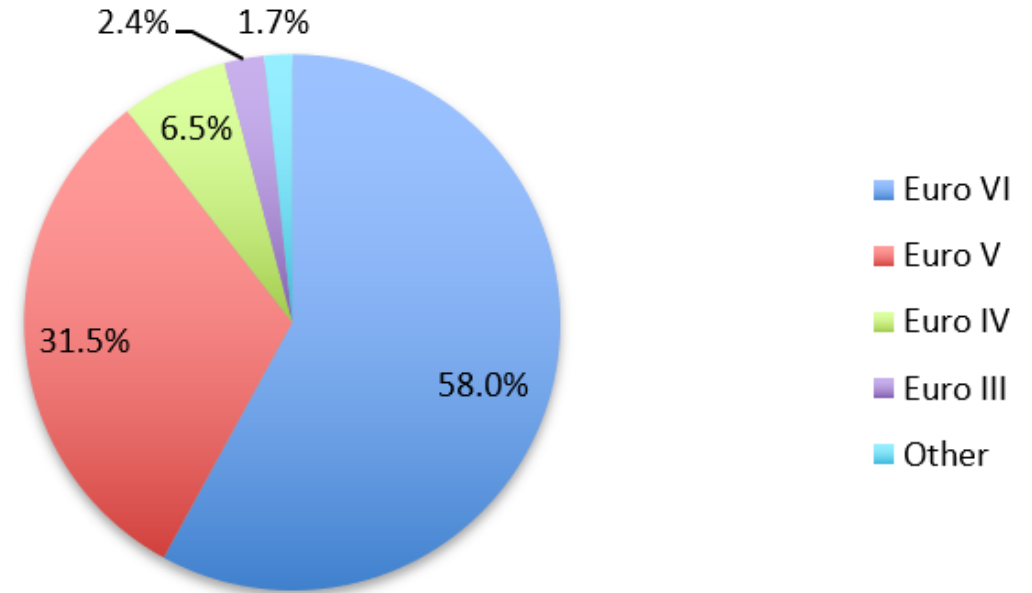
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Fig 9 – Average kg of CO₂e per vehicle km 2010– 2015

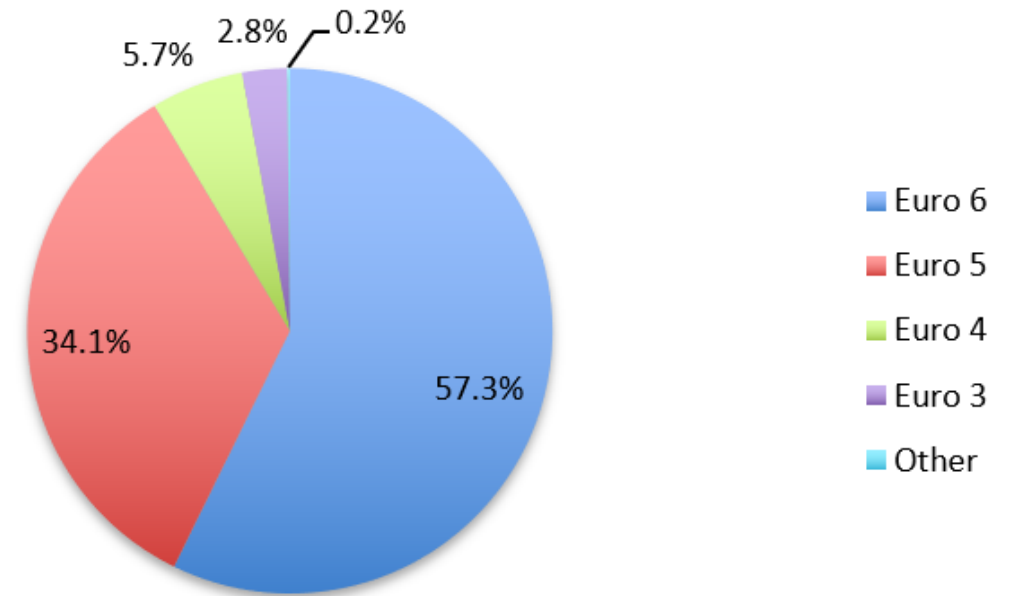
Vehicle kilometres is currently the strongest normaliser for the LCRS



HGV fleet by Euro standards



Van fleet by Euro standards



Opportunities to improve your fuel efficiency

1. Fuel efficient driving, driver training and incentives
2. Telematics
3. Routing and Scheduling processes to optimise fuel efficiency
4. Tyre management
5. Reducing Empty Running
6. Aerodynamics

Further measures include;

- Modal shift
- Alternative Fuels



John Lewis – Gas Trucks



- 60 gas powered vehicles in their fleet, with 23 more on order
- Ambition to have a further 200 more by the end of 2021
- 83% carbon reduction
- 500 mile range

<https://thefreightportal.org/>

FREIGHT PORTAL

Further information

Free to join Industry initiative to record, report and reduce emissions from freight transport

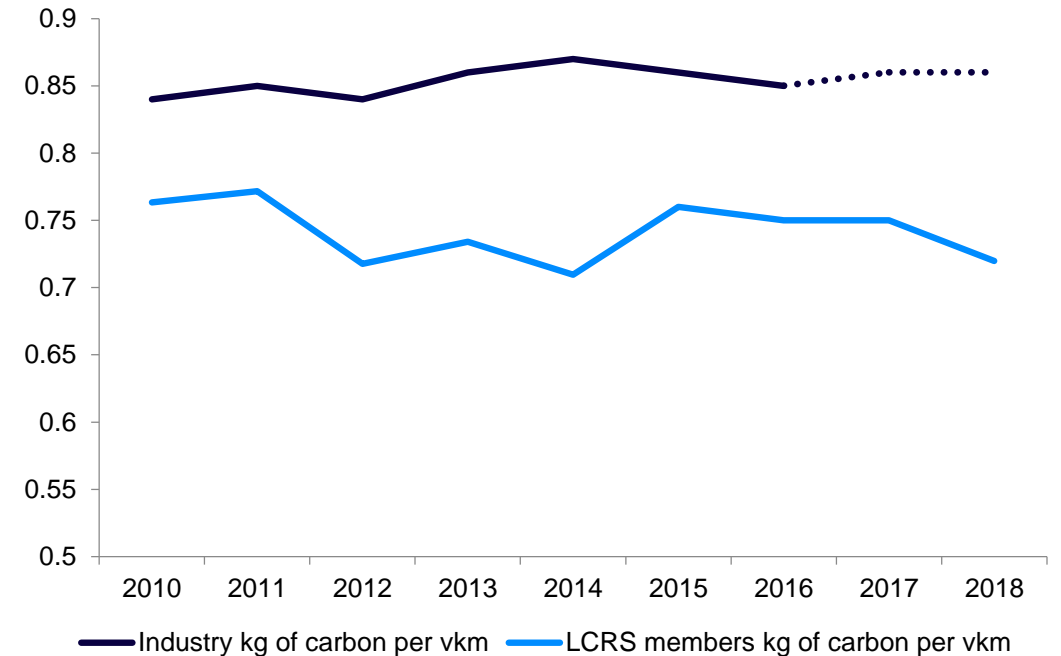
Share best practice

Funded by FTA with support from Bridgestone and ExxonMobil

13% lower emissions than industry average

Much higher use of Euro VI and alternatives fuels than industry average

LEERS is supporting industry to achieve the 15% reduction CO₂ target



LEERS: www.lers.org.uk

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