Decarbonising road transport







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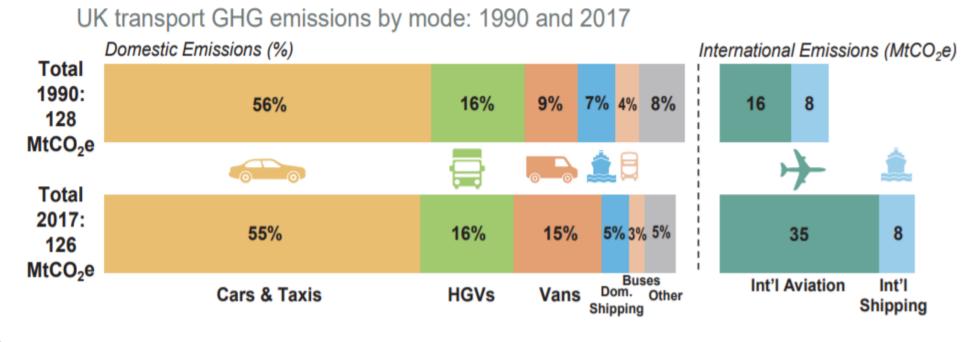
Decarbonising Road Transport?



GHG emissions by transport mode

TSGB0306

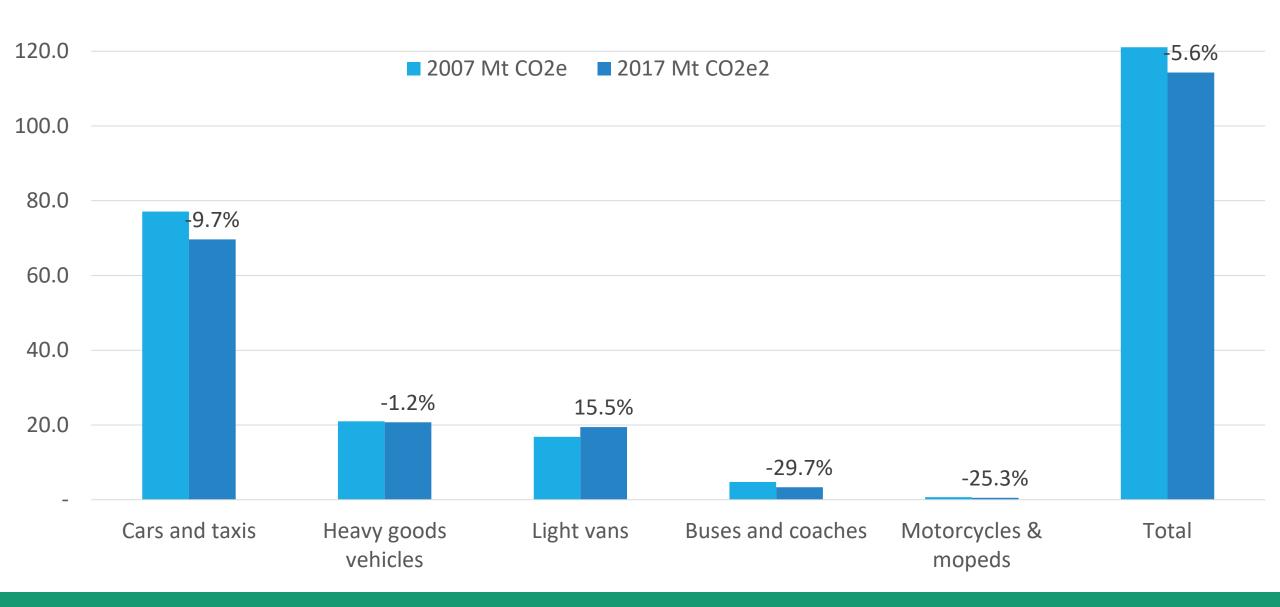
Since 1990, emissions from rail, buses and domestic shipping decreased, whereas van emissions increased by 67%. Van traffic has doubled since the early 1990s.



 International aviation emissions, which are not part of the UK's domestic emissions, have more than doubled since 1990.

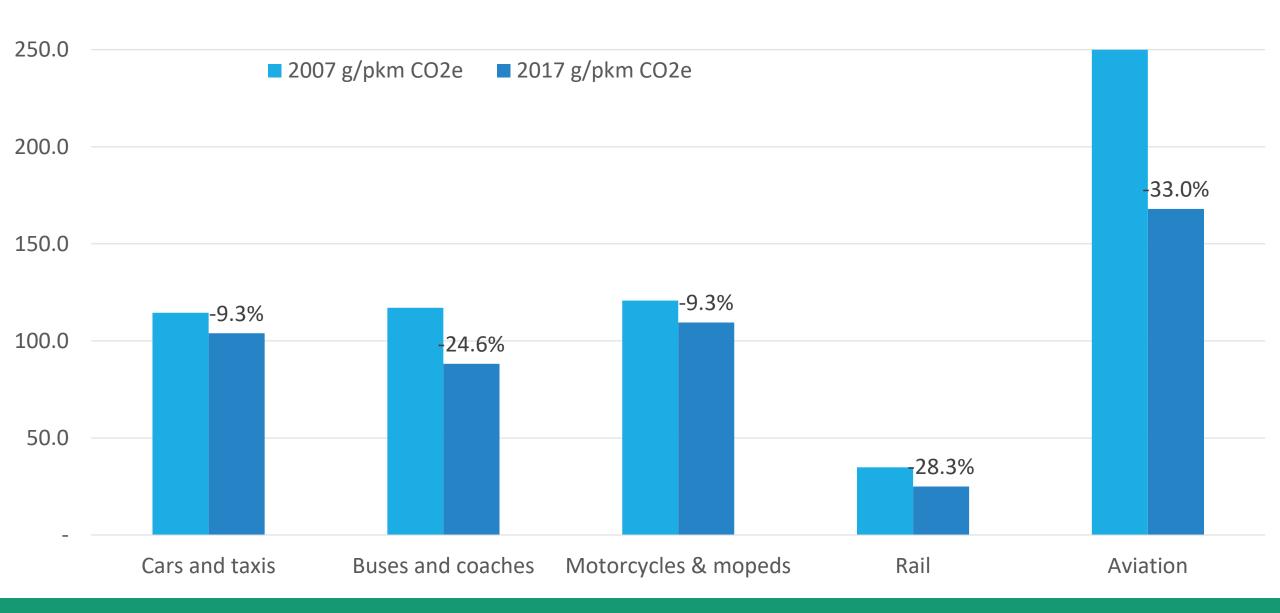
A decade of progress? Road sector contribution





A decade of progress? Travel mode intensity





Getting the right metrics for decarbonising journeys



Impact of a journey is product of People (or tonnes) x distance travelled x carbon intensity

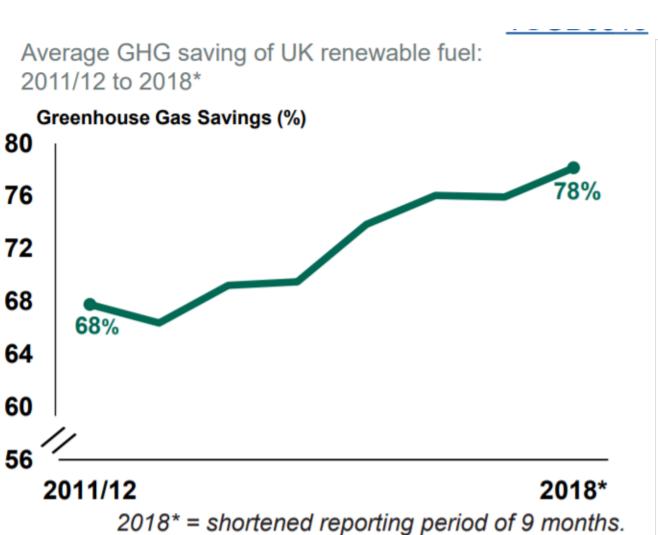
Carbon intensity of a journey

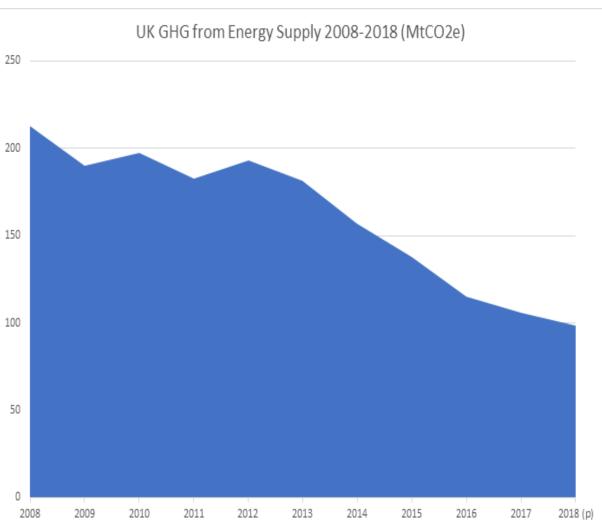
- Energy we use for the vehicle (g/kWhr)
- Efficiency of the vehicles (kWhr/km)
- Capacity of the vehicle (people per vehicle)

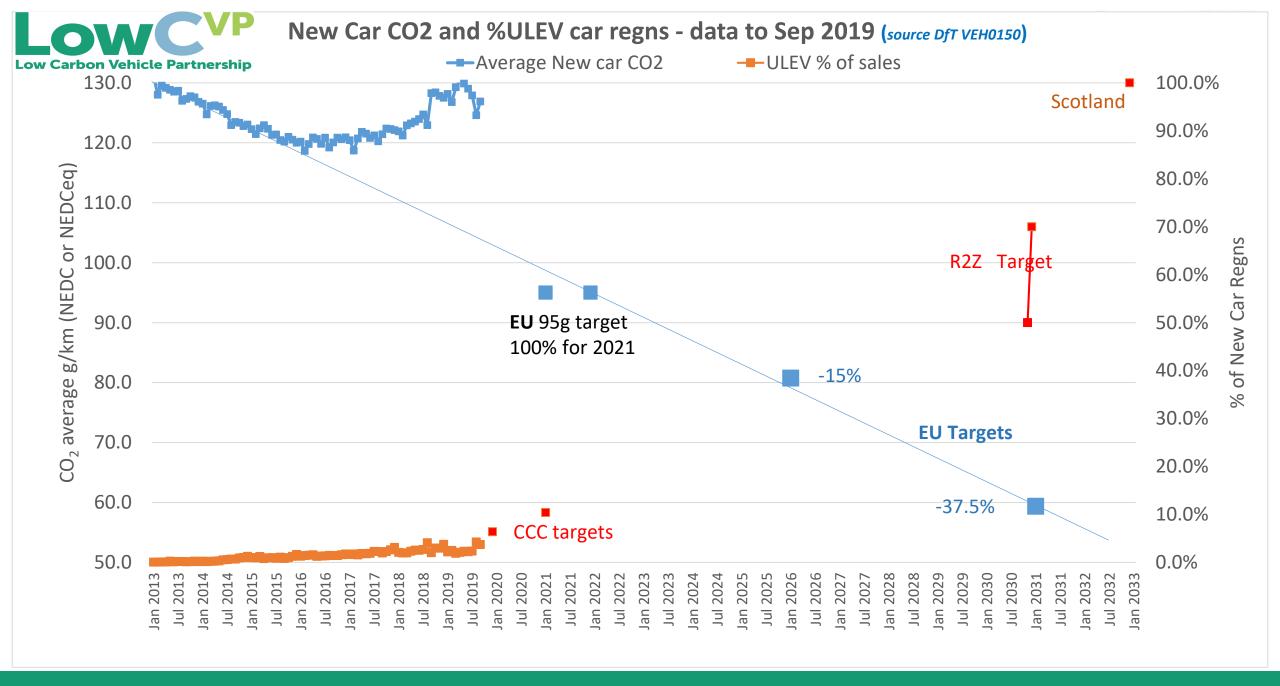
We need metrics and policies that drive improvements in every area and for every journey type

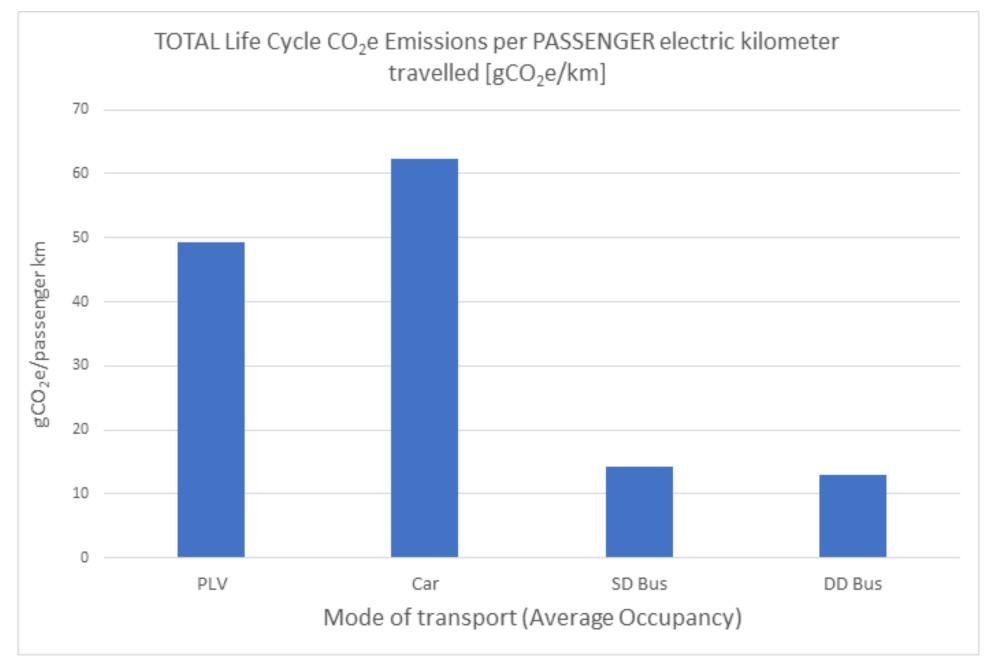
Energy for transport









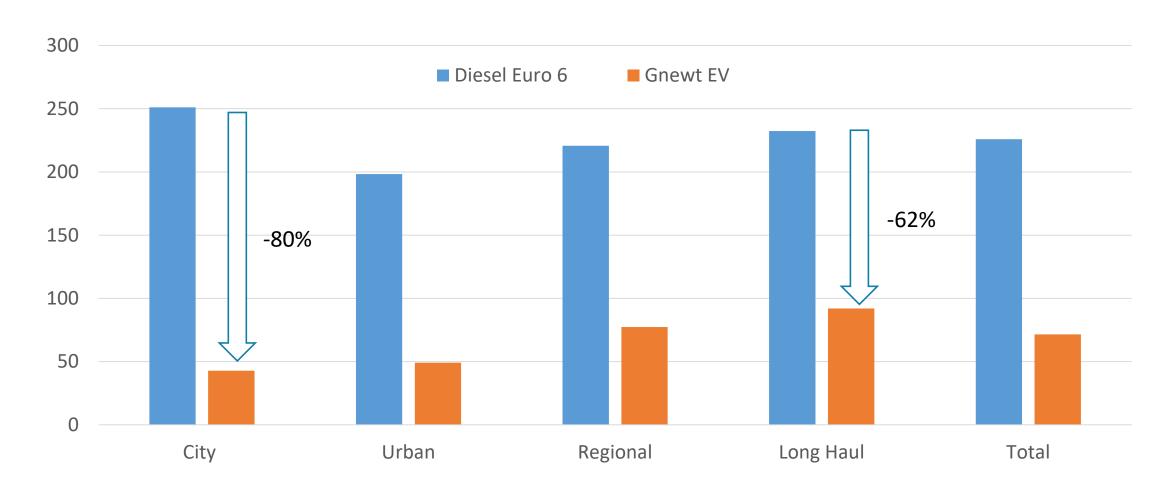




Well-To-Wheel CO2e – by journey type



2t Delivery vans - WTW CO2e g/km



Change in the cost of travel in the last 10 years

Motoring costs, bus rail and coach fares, wages and the cost of living

