



GLOBAL FUEL ECONOMY INITIATIVE

FOR ZERO CARBON VEHICLES BY 2050



THE GLOBAL FUEL ECONOMY INITIATIVE: CUTTING CARBON EMISSIONS

The Global Fuel Economy Initiative (GFEI) supports urgent government action to improve the energy efficiency of the world's vehicle fleet, in order to cut energy use, save money and reduce CO₂ emissions.

With the number of light duty vehicles set to triple by 2050, GFEI has set the ambitious target of reducing overall CO₂ emissions by 65% across all road vehicles.

GFEI supports improvements in the efficiency of across all types of road vehicles, from light-duty passenger vehicles, to heavy-duty vehicles, as well as transit buses and two- and three-wheelers. To mark GFEI's 10 year anniversary in 2019, GFEI partners announced targets for significantly reducing carbon emissions from road transport by 2050 to tackle climate change, which will increasingly rely on electric vehicles.

GFEI TARGETS

Vehicle type	Fuel Economy / CO ₂ Improvement		
	2030	2035	2050
Passenger Light Duty Vehicles	50%*		90%
Heavy Duty Vehicles		35%*	70%
Transit Buses		65%	95%
2 / 3 Wheelers		80%	95%

Note: All improvements from a 2005 baseline. All improvements shown as 'per-kilometre CO₂ emissions', except original GFEI targets marked with (*) which remain as 'per-kilometre fuel consumption'. These CO₂ targets require the carbon intensity of the global electricity grid to decrease by at least 90% between 2020 and 2050.

However even this would not be enough to meet the carbon reductions necessary to achieve the Paris Agreement, and so other complementary 'avoid' and 'shift' measures which reduce motorised vehicle use will also be needed to reduce vehicle use.

GFEI undertakes:

- Research and data analysis across relevant issues
- In-country capacity-building support for national and regional policy-makers

- Outreach and awareness raising campaigns

Working with the GFEI partners - IEA, UNEP, ITF, ICCT, UC Davis and the FIA Foundation - countries establish a baseline; consider policy options and case studies; and enable all stakeholders to engage in the policy process to develop ambitious policies to cut emissions. GFEI has so far worked with around 70 countries, and has plans to expand further.



Contact us

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