



An introduction to the Global Fuel Economy Initiative (GFEI)

Jacob Teter - IEA 17 May, IEA Energy Efficiency Training Week



Global Fuel Economy Initiative



Launched in 2009, now recognized as leading vehicle efficiency initiative in energy and climate reports and discussions









Global Energy Efficiency Accelerator Platform



Core partners













The Global Fuel Economy Initiative (GFEI) works to secure real improvements in fuel economy, and the maximum deployment of vehicle efficiency technologies across the world.

What does the GFEI do?























Global Fuel Economy Initiative



Target: to improve the fuel economy of cars

DOUBLE AVERAGE FUEL ECONOMY

AND ALL CARS BY 2030



Activities

- Analysis: data gathering, modeling, baseline development
- Evaluation: policy tools and options
- Strategy development: organization of dialogues
- Outreach: Awareness raising, communication



35% reduction in average fuel consumption

of new HDVs globally by 2035.

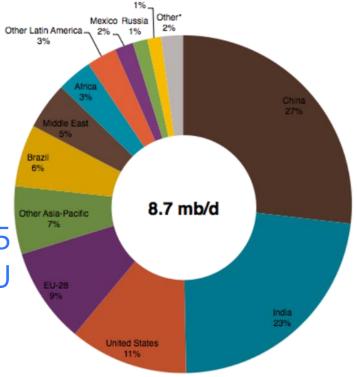
Which saves:

• 9 million barrels of oil per day by 2035

• 1-2 billion tonnes CO₂ per year by 2035

• A reduction of >20% relative to the BAU

• 25% reduction each in India and China (ICCT estimates)



The role of Plug-in Electric vehicles to improve fuel economy



EVs can play a strong support role in meeting GFEI targets

- 50 by 50 target based on analysis of technical feasibility even without electrification (i.e. with ICE vehicles)
- Many vehicles on the market already reach 2030 target fuel economy (including ICEs, conventional hybrids, PHEVs and BEVs)
- Many of the countries with both fuel economy standards and fiscal fuel economy policies in place are on track to reach the GFEI target.
- Overall, EVs are best suited to enable a transition towards a greater reliance on low-carbon energy sources in transport, capitalising on the shift towards renewable energy taking place in the power sector.
- EVs are about three times as efficient as conventional cars and almost twice as efficient as hybrids.

Analysis



Data and research

- Collaborative data analysis (benchmarking)
- All reports made publically available







Working paper series



The four most recent reports...









Evalution, Strategy development, and guidance



Evaluation:

The Fuel Economy Policies Implementation Tool (FEPIT) tool

Strategy development:

GFEI at COP 23: policy engagement through the
G20 transport task group and through the OECD, inter alia

Guidance:

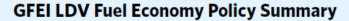
 Commitment to provide practical in-country support to 100 countries to implement policies to promote cleaner, more efficient vehicles

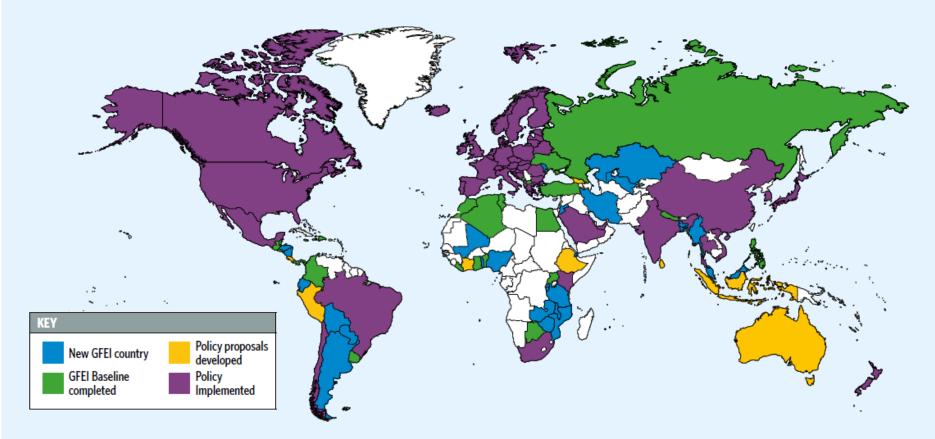


- Currently engaged in over 65 developing and emerging economies
- GFEI & ICCT have provided expert input to Australia during consideration of proposals for new fuel economy standards

Current Status – COP 23 update report



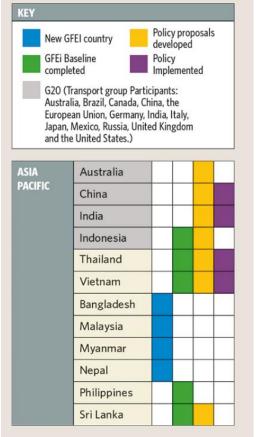




In-country cooperation in Asia







Current Status – COP 23 update report



Asia

- GFEI held a launch meeting in **Myanmar** in September 2017, organised by Myanmar's Ministry of Industry, Clean Air Asia and UN Environment.
- GFEI have also supported workshops in **Nepal** and the **Philippines**.

Africa

- A national GFEI workshop to kick off vehicle fuel economy activities in **Zambia** was held in August 2017 in Lusaka.
- In **Uganda** the GFEI national working group met in August 2017 in Kampala to launch a new feebate study and to review vehicle fuel economy labelling and options for the development of fuel economy policies.
- GFEI also held workshops to launch GFEI in **Ghana, Mali, Togo, Zimbabwe, Liberia** and **Malawi**. These countries are developing baseline studies of vehicle trends. GFEI is also providing ongoing assistance to **South Africa** to develop proposals for fuel economy standards.
- GFEI was launched in **Colombia** in January 2017 and will produce a fuel economy baseline study for their LDV fleet.

South America

- GFEI is providing technical support to **Peru** to develop proposals for a 'feebate' system for incentivising cleaner, more efficient vehicles. GFEI partner the ICCT, together with UN Environment and Centro Mario Molina have shared regional experiences and best practice including Chile's experiences of introducing a scheme.
- Panama and Belize held launch workshops in November 2016.

Eastern Europe

• The Global Fuel Economy Initiative project in **Ukraine** was formally launched at a meeting with the government in October 2017. The meeting discussed the draft findings of baseline vehicle data from 2005-2016, as well as potential policies to improve fuel economy and promote electric mobility.

