An introduction to the Global Fuel Economy Initiative (GFEI)

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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?

**RAISING GLOBAL AWARENESS**

**IN-COUNTRY POLICY SUPPORT**

**RESEARCH AND EVIDENCE**
Global Fuel Economy Initiative

**Target:** to improve the fuel economy of cars

**Activities**
- **Analysis:** data gathering, modeling, baseline development
- **Evaluation:** policy tools and options
- **Strategy development:** organization of dialogues
- **Outreach:** Awareness raising, communication
Heavy-duty vehicle target: ’35 by 35’

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 CO$_2$ 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.
Data and research

• Collaborative data analysis (benchmarking)
• All reports made publically available
The four most recent reports...
Evaluation, 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

GFEI LDV Fuel Economy Policy Summary

KEY
- New GFEI country
- Policy proposals developed
- GFEI Baseline completed
- Policy implemented
In-country cooperation in Asia

September 2015

Establishing Baselines for Fuel Economy of Light Duty Passenger Vehicles in the Philippines

August 2015

KEY

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G20 (Transport group Participants: Australia, Brazil, Canada, China, the European Union, Germany, India, Italy, Japan, Mexico, Russia, United Kingdom and the United States.)

ASIA PACIFIC

Australia
China
India
Indonesia
Thailand
Vietnam
Bangladesh
Malaysia
Myanmar
Nepal
Philippines
Sri Lanka
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.