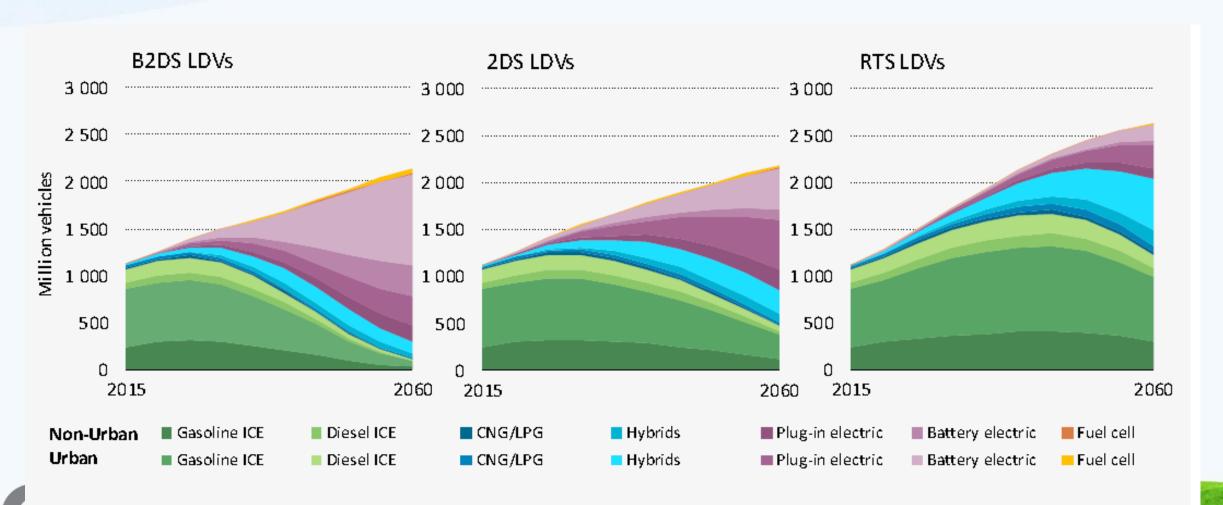


### Index

- Why do we care about Fuel Economy?
- Where / What fuel economy policies work?
- More to come in Ukraine



# Internal combustion engines still there in 2060



Note: CNG = compressed natural gas; LPG = liquid petroleum gas.

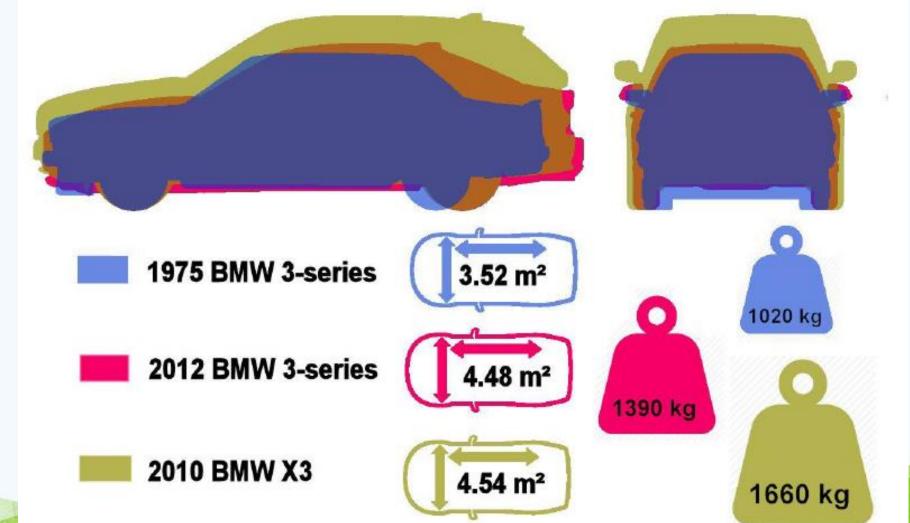
Source: IEA (2017a), Mobility Model, March 2017 version, database and simulation model, www.iea.org/etp/etpmodel/transport/.



More than 2 billion cars on the road in 2040



# Vehicles are getting larger, bigger, heavier





# Oil is not infinite! | F | F |

- Sometimes country heavily dependant on foreign oil imports
- Reserves not always in stable/partner countries

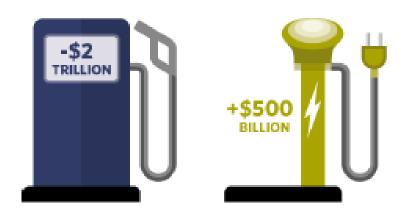
# Climate Agenda – Calling for an answer

- Some Oil to be kept underground not to exceed the 2°C threshold
- Climate a global issue
- Global, coordinated answer needed



# Fuel economy co-benefits

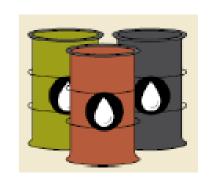
## Financial Savings



#### \$2 trillion savings

A total of \$2 trillion could be made in fuel savings by 2025, \$500 billion of which would fund the costs of initiating a transition to electric vehicles.

# Reduced dependence on oil



# Lower carbon emissions

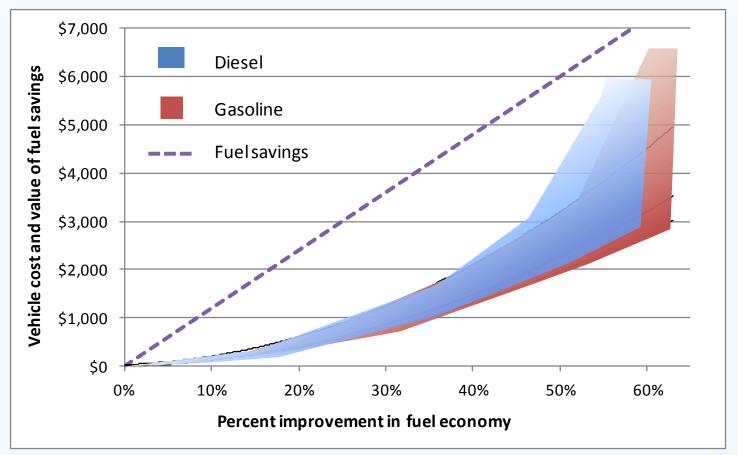


#### 300 fewer power stations

The **33Gt** of CO<sub>2</sub> that could be saved between 2015 and 2050 is roughly the equivalent of closing **300** coal power stations over the same time period.

## **Fuel Economy Improvements are Cost-effective**

Fuel savings more than pays for fuel economy improvements in light-duty vehicles



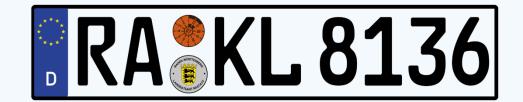


**Source: IEA Fuel Economy Roadmap, July 2012** 

# Fuel Economy Policy portfolio

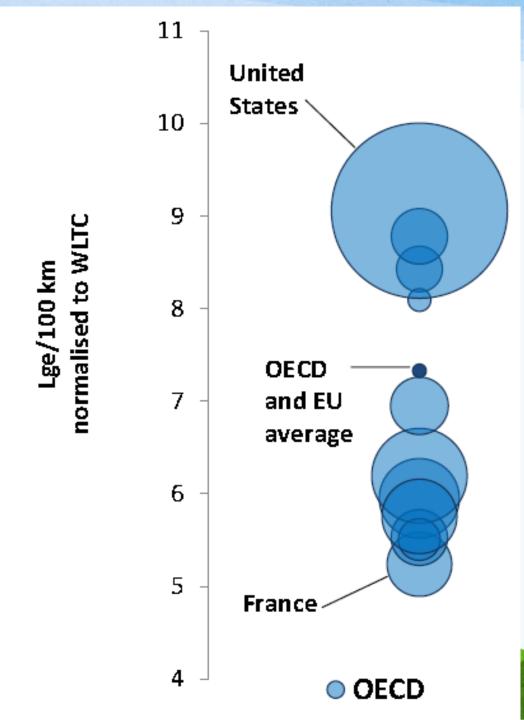
- Fiscal

 Ownership and registration (CO<sub>2</sub>-based) tax



Fuel tax

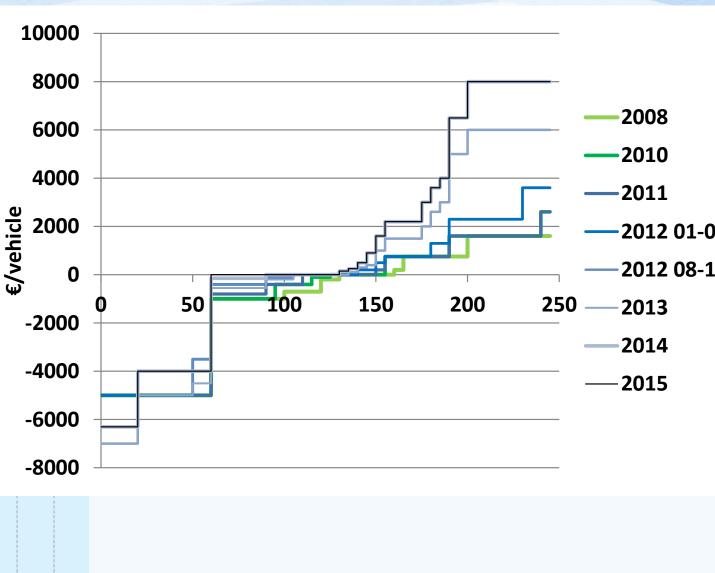




# Fuel Economy Policy portfolio - Fiscal

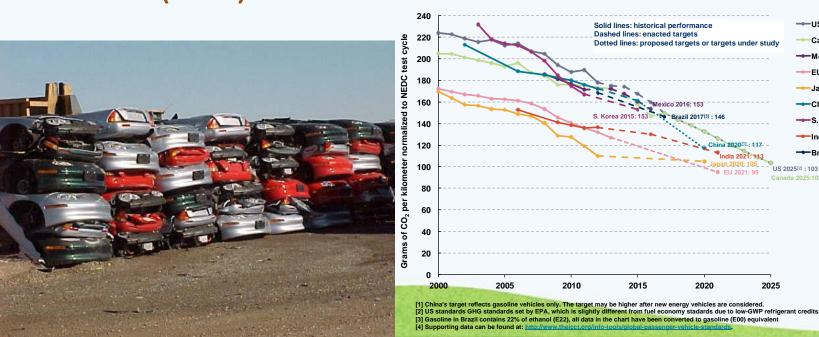
Feebates

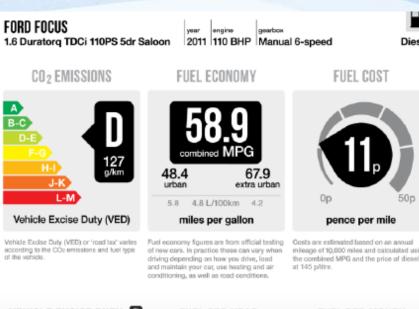




# Fuel Economy Policy portfolio

- Non Fiscal
- Fuel Economy Labels
- Fuel economy standards
- (ZEV) Mandates

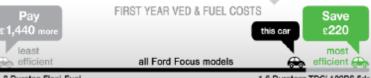




VEHICLE EXCISE DUTY • 1

in first year

FUEL PER YEAR



1.8 Duratec Flexi-Fuel 125PS 5dr Saloon

Canada

--- Mexico

**─**EU

Japan

1.6 Duratorg TDCi 109PS 5dr Saloon ECO Start-Stop





Scan this QR Code with your smart phone to calculate your fuel costs using this model based on your annual milage

A guide on fuel economy and CO<sub>2</sub> emissions for all new car models is available for free at any point of sale and online at

FREEPHONE number with your questions to Energy Saving Trust (Mon-

Fri 9am-6om).





and driving style.

carfueldata.direct.gov.uk

0800 815 015





#### PSA PEUGEOT CITROËN



#### OEMs initiative to publish more representative Fuel economy values



Vehicle tested  Consumption measurement (I/100km)	PEUGEOT 308 1.6l BlueHDi 120 S&S BVM6	CITROËN C4 GRAND PICASSO 1.61 BlueHDi 120 S&S BVM6	<b>DS 3</b> 1,6l BlueHDi 120 S&S BVM6
T&E Customer use protocol	5,0	5,6	4,9
Customer consumption (Customers survey / Spritmonitor)	5,0 / 5,1	5,5 / 5,7	5,1 / 5,3
Homologated consumption (NEDC)	3,2	4,0	3,6





#### PSA PEUGEOT CITROËN



#### 62 vehicles tested, 400+ tests

AVERAGE FUEL CONSUMPTION

weighted by the sales of the 68 vehicles tested

AVERAGE GAP BETWEEN THE PROTOCOL AND TYPE APPROVAL

weighted by sales on 68 vehicles tested

MIN. GAP BETWEEN THE PROTOCOL AND TYPE APPROVAL

MAX. GAP BETWEEN THE PROTOCOL AND TYPE APPROVAL

STT (STOP & START) IN URBAN DRIVING

for a given energy and similar cars

AUTOMATIC VS MANUAL TRANSMISSIONS

for a given energy and similar car

6,0 I/100km

1,8 I/100km

1,2 I/100 km

Peugeot 208 - 1,6L BlueHDi 100 - MT5

2,6 I/100 km

Peugeot 308 GTi - 1,6L THP 270 S&S - MT6

- 0,3 I/100 km

+ 0,4 I/100 km

#### More to come!

- Dedicated workshop on fuel economy policies, 13<sup>th</sup> of October
- What are the best opportunities for Ukraine?
- Learn how to use IEA Tool "FEPIT" to calculate fuel economy benefits and fuel savings



#### Conclusions

- Fuel economy improvement is needed globally and nationally
- Win-Win for all stakeholders involved:
  - Economic balance from lower import bills
  - Fuel savings more than compensate technology extra costs
- Wide portfolio of policy options, delivering if set-up properly
- We are here to help Ukraine adopting fuel economy policy agenda: Political will is essential!

