

JEC WTW

Well-to-Wheels analysis of future automotive fuels and powertrains in the European context – an update

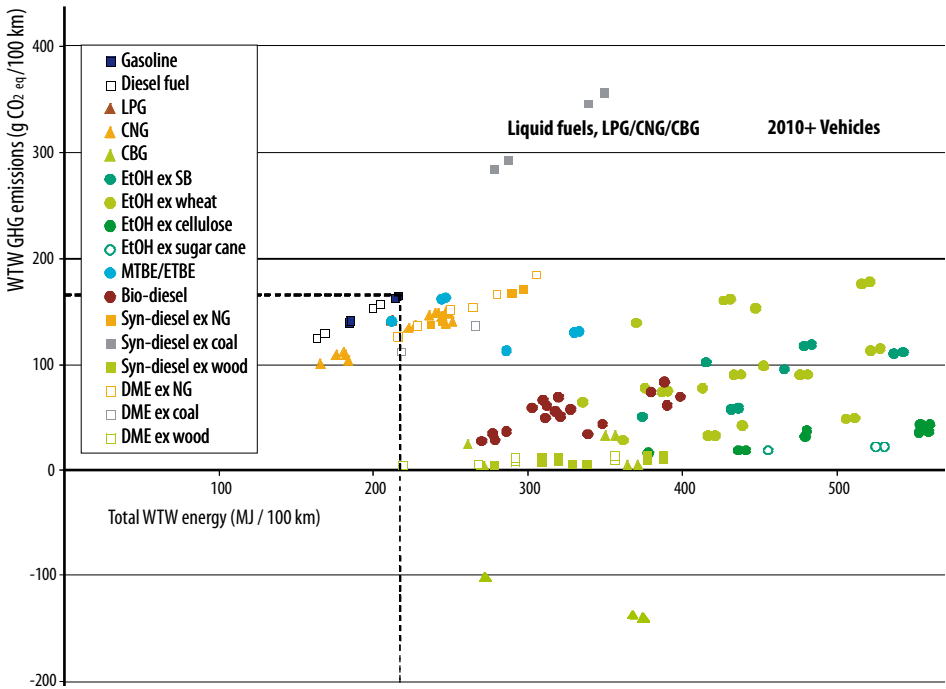
Objectives

EUCAR, CONCAWE and JRC (the Joint Research Centre of the EU Commission) have performed a joint evaluation of the well-to-wheels energy use and greenhouse gas (GHG) emissions for a wide range of potential future fuel and powertrain options. The objectives of the study were to:

- Establish, in a transparent and objective manner, a consensual Well-to-Wheels (WtW) total / fossil energy and GHG emissions assessment of a wide range of automotive fuels and powertrains relevant to Europe in 2010 and beyond.
- Consider the viability of each fuel pathway and estimate the associated macro-economic costs for energy/CO₂ abatement strategies.
- Have the outcome accepted as a reference by all relevant stakeholders.

Project Deliverables

The figure conveniently summarises the results for total energy use and GHG emissions of fuel/powertrain combinations for liquid fuels, LPG, CNG and Biogas (CBG)



Status / Achievements

2004 – 2006: Phase 2

- Up-date of the WtW-Report is available from: <http://ies.jrc.ec.eu.int/WTW>

2007 – 2008: Phase 3 revision

- Revision of fuels & vehicle data
- Several new fuel pathways

2009 – 2010: Phase 4 revision

Organisational Information

Budget	Self funded / Funding		
Duration	4 th Phase: 2009-2010	Start	2001
Coordinator	Heinz Hass, FORD	Contact	hhass@ford.com
OEM Partners	All EUCAR members RENAULT – coordinates the TtW up-date		