

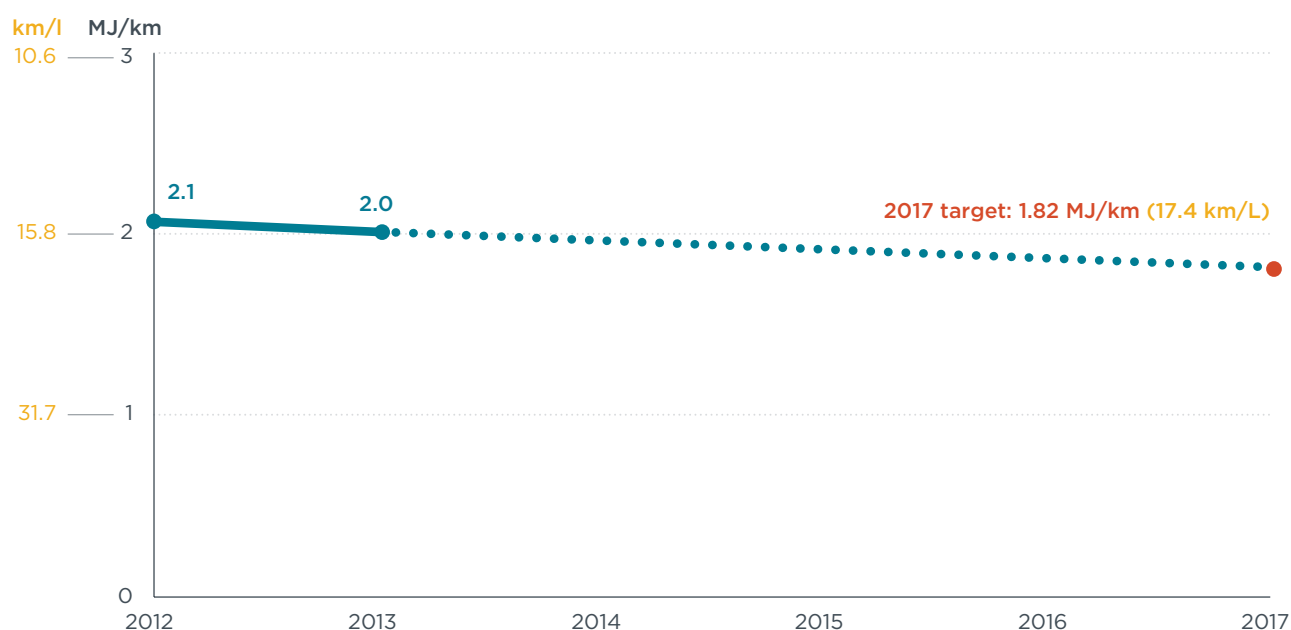
LIGHT-DUTY VEHICLE EFFICIENCY STANDARDS

JANUARY 2015

PASSENGER CAR

New sales	3.04 million (2013)
Metric	Fuel consumption (MJ/km)
Regulatory agency	Ministry of Industry Development and Commerce (MDIC) http://www.mdic.gov.br/sitio/
Regulated vehicles	Vehicle with maximum Gross Vehicle Weight Rating (GVWR) no more than 3,856 kg and no more than 12 passenger seats
Regulation	Decreton ^o 7.819/2012 — Programa de Incentivo à Inovação Tecnológica e Adensamento da Cadeia Produtiva de Veículos Automotores — Inovar-Auto. http://www.planalto.gov.br/ccivil_03/_ato2011-2014/2012/Decreto/D7819.htm
Timeframe	2017
Fleet target	1.82 MJ/km
Actual new vehicle fleet average	2.01 MJ/km (2013)
Compliance parameter	Weight-based corporate average
Test cycle	U.S Combined (norm ABNT NBR 7024: 2010)
Emission standards	PROCONVE L6 http://mundoambiente.eng.br/new/legislacao-ambiental-uniao/41509-dispoe-sobre-nova-fase-de-exigencias-do-programa-de-controle-da-poluicao-do-ar-por-veiculos-automotores/
Key sources	Transportpolicy http://www.transportpolicy.net/index.php?title=Category:Brazil
Notes	The Inovar-Auto is a voluntary program with strong fiscal incentive. Automakers that meet a minimum corporate average vehicle efficiency target are qualified for IPI taxes discount (up to 30% of sales price plus import taxes and other required fees).

PASSENGER CAR FUEL ECONOMY HISTORICAL TREND AND FUTURE TARGET



Note: Gasoline in Brazil contains 22% of ethanol (E22), all data in the chart have been converted to gasoline (E00) equivalent.

LIGHT COMMERCIAL VEHICLES

Metric	Fuel consumption (MJ/km)
Regulatory agency	Ministry of Industry Development and Commerce (MDIC) http://www.mdic.gov.br/sitio/
Vehicle definitions	Vehicle with maximum Gross Vehicle Weight Rating (GVWR) no more than 3,856 kg, for freight purposes or projected to transport more than 12 passengers, or with off-road characteristics
Regulation	Decreton ^o 7.819/2012 – Programa de Inovação Tecnológica e Adensamento da Cadeia Produtiva de Veículos Automotores – Inovar-Auto. http://www.planalto.gov.br/ccivil_03/_ato2011-2014/2012/Decreto/D7819.htm
Timeframe	2017
Compliance parameter	Weight-based corporate average
Test cycle	U.S Combined (norm ABNT NBR 7024: 2010)
Emission standards	PROCONVE L6 http://mundoambiente.eng.br/new/legislacao-ambiental-uniao/41509-dispoe-sobre-nova-fase-de-exigencias-do-programa-de-controle-da-poluicao-do-ar-por-veiculos-automotores/
Note	The average fuel consumption target for light commercial vehicles to receive IPI taxes discount utilizes same mass-based equations as passenger vehicles. See ICCT policy update http://www.theicct.org/sites/default/files/publications/ICCTupdate_Brazil_InovarAuto_feb2013.pdf

For full details, and a comprehensive comparison of light-duty vehicle standards worldwide, visit www.theicct.org/info-tools/global-passenger-vehicle-standards.

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