

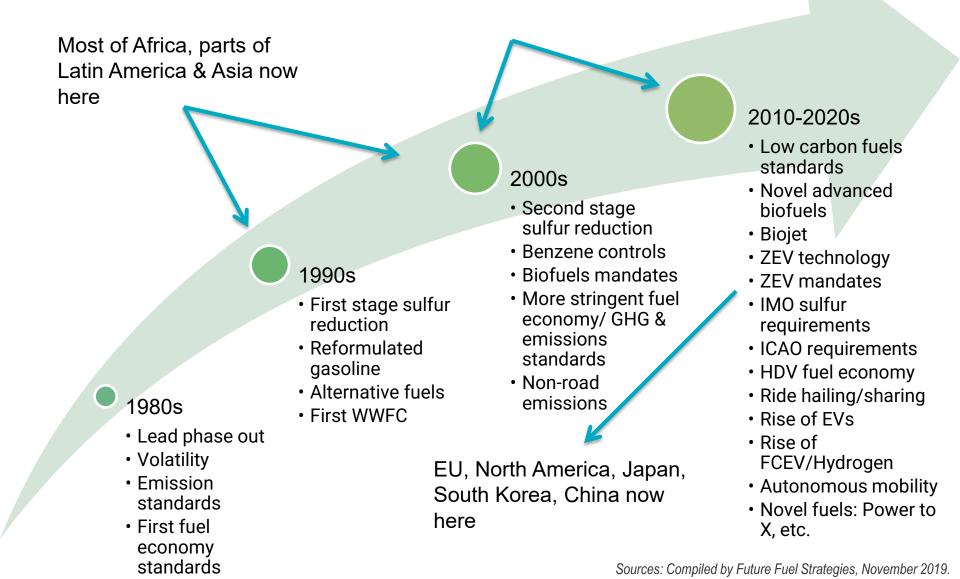
Prospects for Fossil Fuels in the Transportation Sector

January 2020



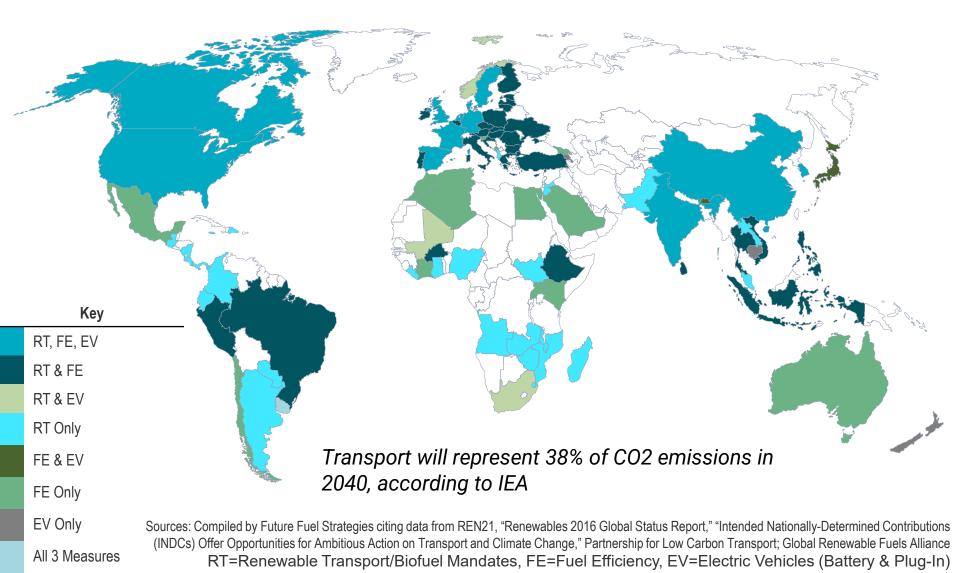
Rough Evolution of Global Fuels Regulation

Evolution from gasoline & diesel fuel quality and emissions improvement to other & totally new fuels, vehicles, technologies



Paris Agreement Transport Aspirations

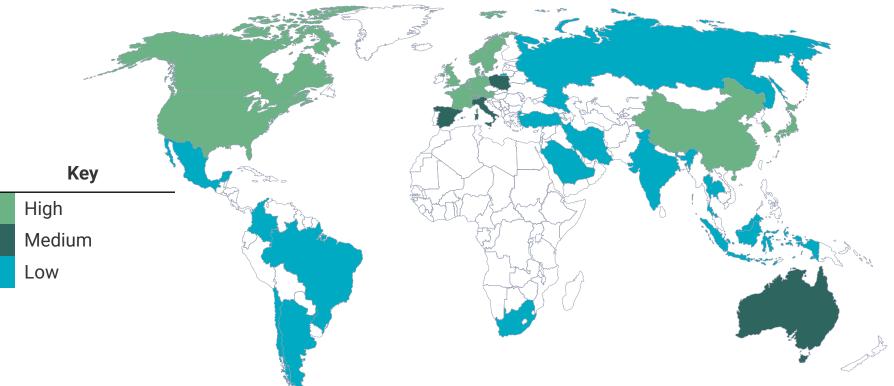
Biofuels, fuel efficiency & ZEV policies top low carbon initiatives for transport, but implementing them all will not be enough to reach 2°C





High, Medium & Low Potential EV Markets

Except for China, the high potential markets are in the West; high potential markets=51% of current global oil demand



Why High Potential?

- Richer
- Political will
- EVs the "last frontier"
- Larger car fleets

Why Low Potential?

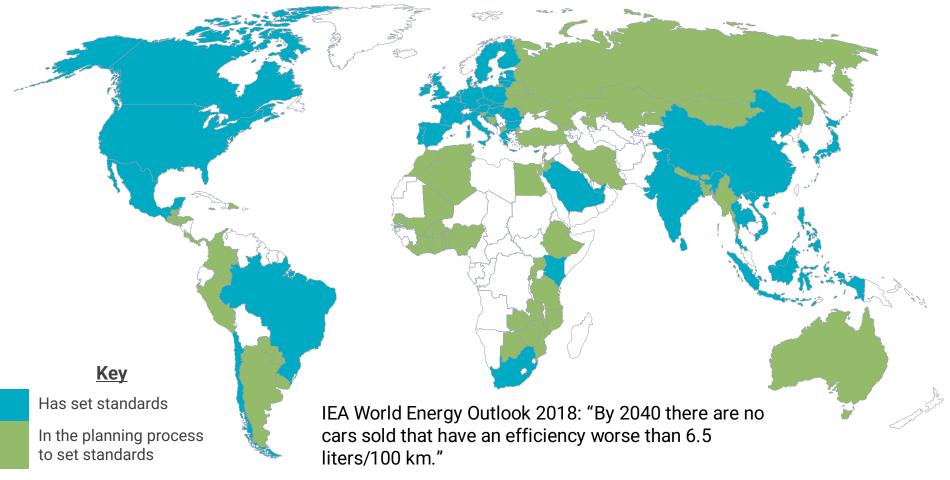
- Poorer and financially dependent on NOCs
- Net fossil fuel exporters
- Not a big GHG emitter
- Smaller car fleets

Source: Future Fuel Strategies, June 2018



Global LDV Fuel Efficiency Improvement

Over 80% of the vehicle market already covered, will be 90% when planned policies are implemented in the next five years



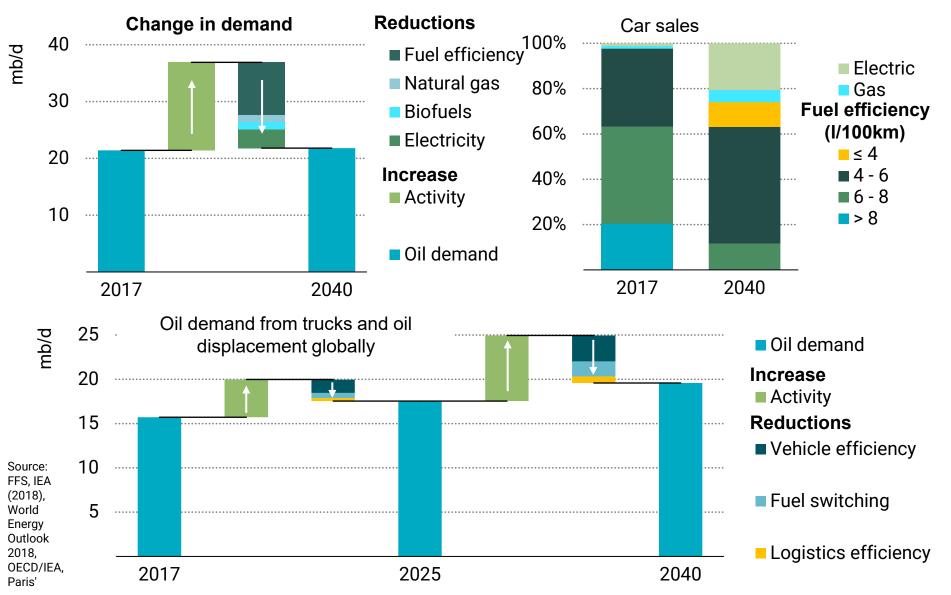
LDV=Passenger cars, light trucks and sport utility vehicles (SUVs)

Source: Compiled by Future Fuel Strategies citing numerous sources including "Global Fuel Economy An update for COP23," Global Fuel Economy Initiative; September 2018

Impact of Policies on Fuel Demand

Growth is offset for cars, but grows for trucks; we still rely on the ICEV

Oil demand from cars, oil displacement and car sales globally





Questions?

Tammy Klein, Principal +1.703.625.1072 (M); tammy@futurefuelstrategies.com

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What Is Future Fuel Strategies?

A consultancy that takes a 360° view of future fuels issues, trends and developments

