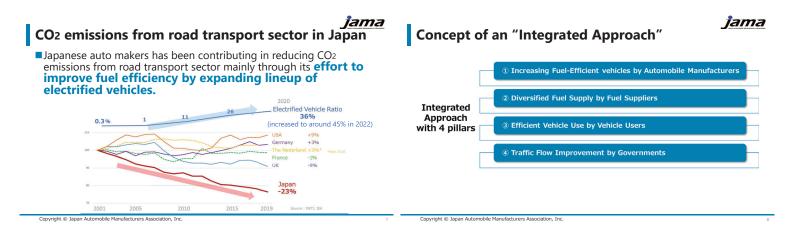
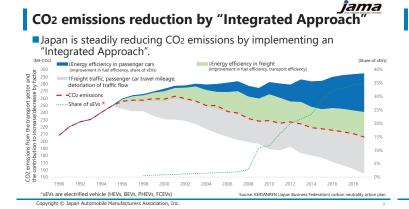


138





Transitioning to Carbon Neutrality by 2050 (A Scenario-Based Analysis)

Purpose of using scenarios 1.

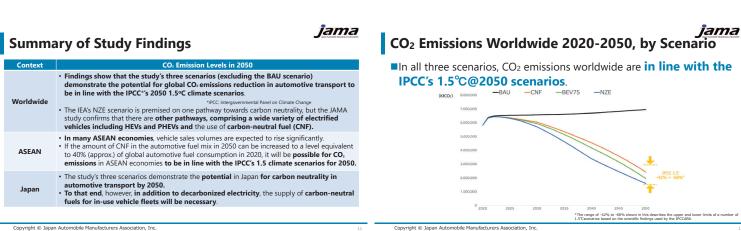
To understand, based on quantitative assessments, possible pathways to be pursued towards carbon neutrality in automotive transport by 2050.

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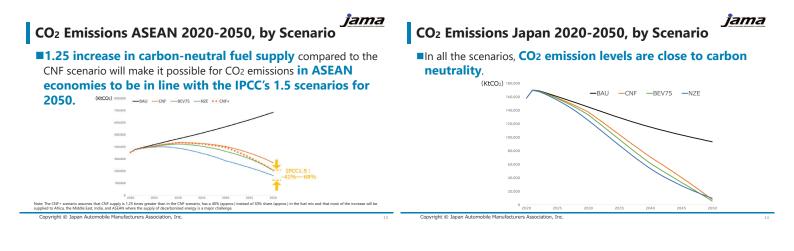
2 Data applied

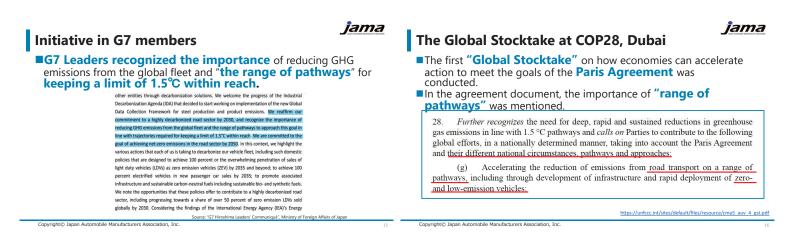
> New-vehicle sales data, in-use vehicle fleet data, energy/fuel mix data, vehicle fuel efficiency data, vehicle kilometers travelled annually, etc.

cenario parameters					*FC: Fuel consumption
		BEV/FCEV Share of New Passenger Vehicle Sales			2050 Projected
	2050 Scenario Designation & Definition	Worldwide	Japan, North America, Europe etc.	ASEAN economies	CNF Share in Automotive Fuel Mix [2020 FC*-Based]
0	BAU ¹	BAU	←	←	←
	CNF (Wide use of CNF)	40%	50%	25%	30% approx.
	BEV75 (Wide EV adoption)	75%	100%	50%	20% approx.
5	NZE (100% BEVs/FCEVs) from IEA ² NZE ³ scenario	100%	100%	100%	7% (biofuel only)
	¹ BAU: Business as usual				



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Summary of our presentation

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- Japan has been a leader of CO₂ emission reduction in road transport sector among G7 members through
 - "Integrated Approach" consist of 4 pillars.
 - Expanding lineup of electrified vehicles suitable for regional circumstances, which is in line with "the range of pathways," key concept of G7 and COP28 agreement.
- Based on the quantitative scenario analysis, JAMA believe that there is potential not only for 100% BEVs, but also for a wide variety of electrified vehicles including HEVs and PHEVs and the use of carbon-neutral fuel (CNF) for global CO₂ emissions reduction in road transport to be in line with the IPCC's 2050 1.5°C climate scenarios.