

Annex 6 – Asia-Pacific

Trends in Asia-Pacific @2050

Scenario		Trends in Asia-Pacific	2050/2020 CO ₂ emissions
All	Market	<ul style="list-style-type: none"> Passenger cars and commercial vehicles: Significant increases in both new vehicle sales and in-use fleets; for motorcycles, gradual increases in new vehicle sales and in-use fleet. 	
	Energy mix	<ul style="list-style-type: none"> Share of clean energy is approximately 50%. 	
CNF	Electrified vehicles	<ul style="list-style-type: none"> Share of electrified vehicles in new passenger car sales is almost 100%, with about 50% of new passenger cars being BEVs/FCEVs. Share of BEVs/FCEVs in the in-use passenger car and commercial vehicle fleets is approximately 40%. 	-53% approx.
	Fuel mix	<ul style="list-style-type: none"> Share of biofuels + electricity + hydrogen is approx. 60%. CNF share represents approx. 20% of total fuel consumption in 2020. 	
BEV75	Electrified vehicles	<ul style="list-style-type: none"> Share of electrified vehicles in new passenger car sales is 100%, with about 90% of new passenger cars being BEVs/FCEVs. Share of BEVs/FCEVs in the in-use passenger car and commercial vehicle fleets is approximately 60%. 	-59% approx.
	Fuel mix	<ul style="list-style-type: none"> Share of biofuels + electricity + hydrogen is approx. 70%. CNF share represents approx. 10% of total fuel consumption in 2020. 	
NZE	Electrified vehicles	<ul style="list-style-type: none"> Share of BEVs/FCEVs in new vehicle sales for all vehicle types is 100%. Share of BEVs/FCEVs in the in-use fleets for all vehicle types is more than 80%. 	-62% approx.
	Fuel mix	<ul style="list-style-type: none"> About 70% is biofuels + electricity + hydrogen. (Assumption: Synthetic fuel = 0%) Biofuel share = 3% of total fuel consumption in 2020. 	

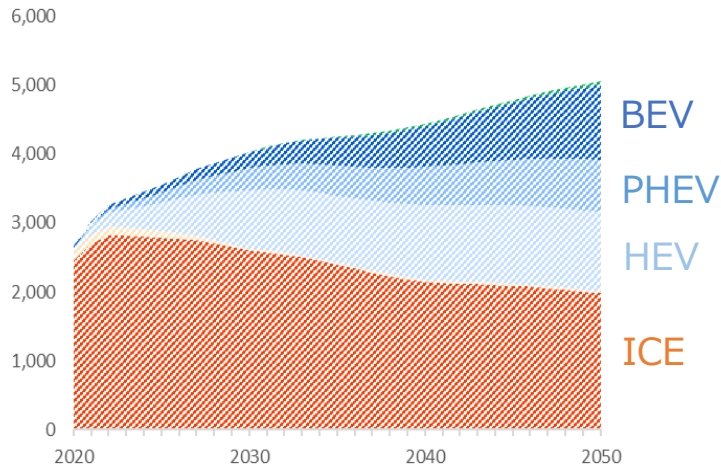
CO₂ emission levels range between about -53% to -62% compared to 2020.

(CO₂ emissions in all non-BAU scenarios are within the IPCC 2050 1.5°C climate scenarios' -42% to -68% range.)

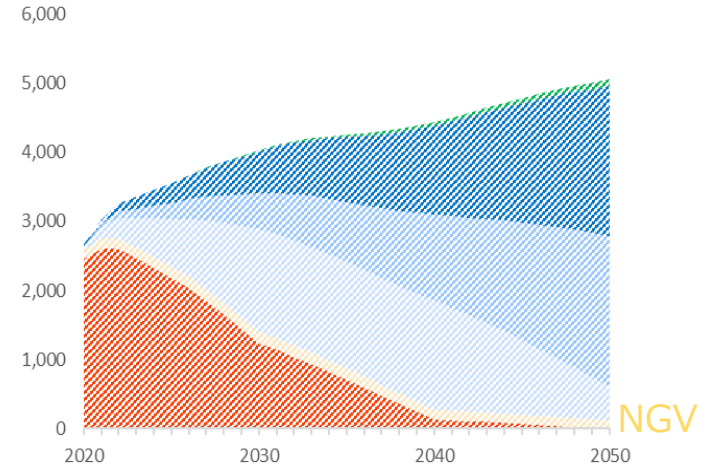
New Passenger Car Sales (Asia-Pacific)

(x 1,000 units)

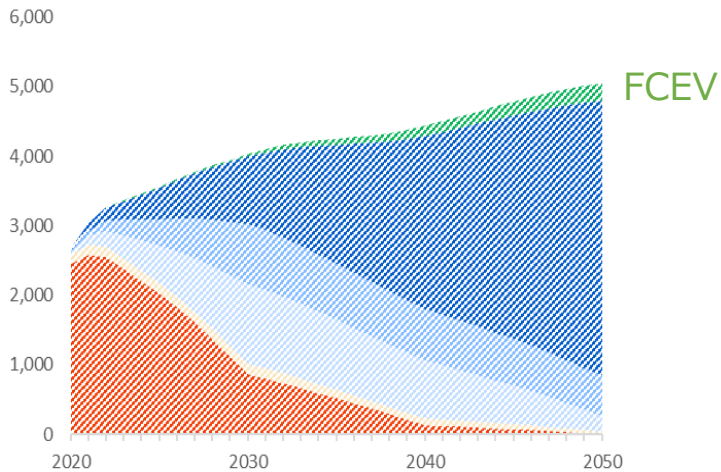
BAU



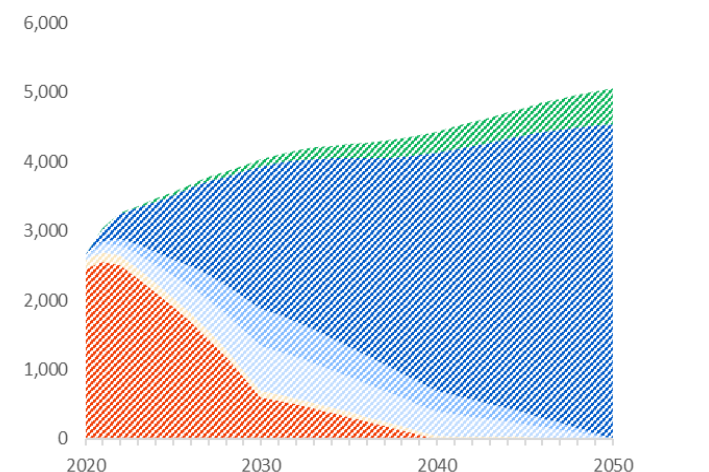
CNF



BEV75



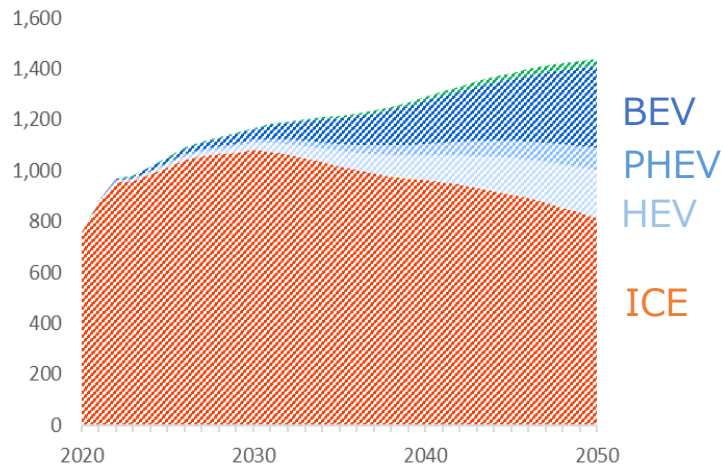
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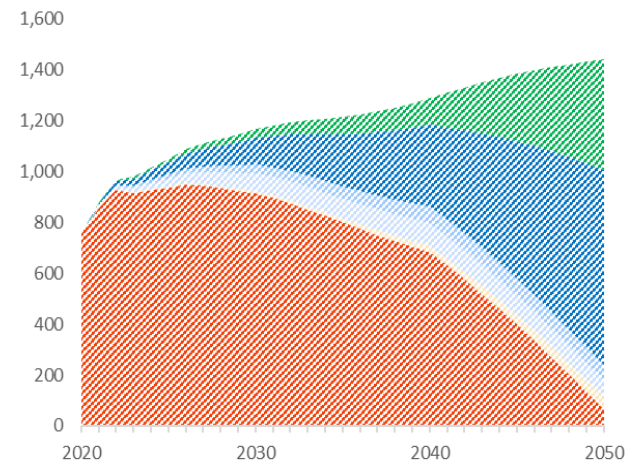
New Commercial Vehicle Sales (Asia-Pacific)

(x 1,000 units)

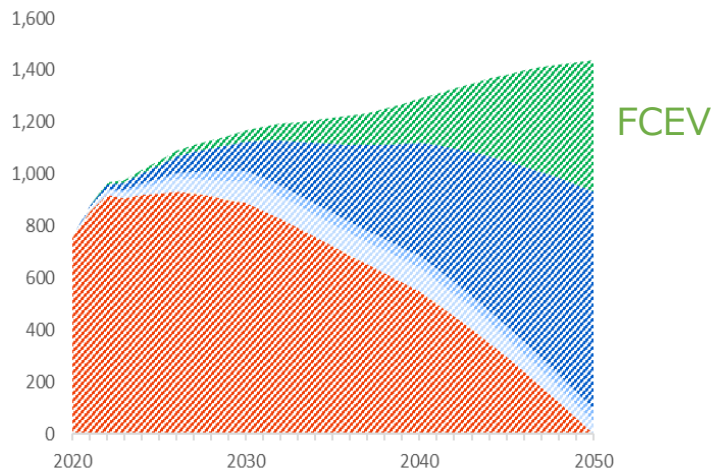
BAU



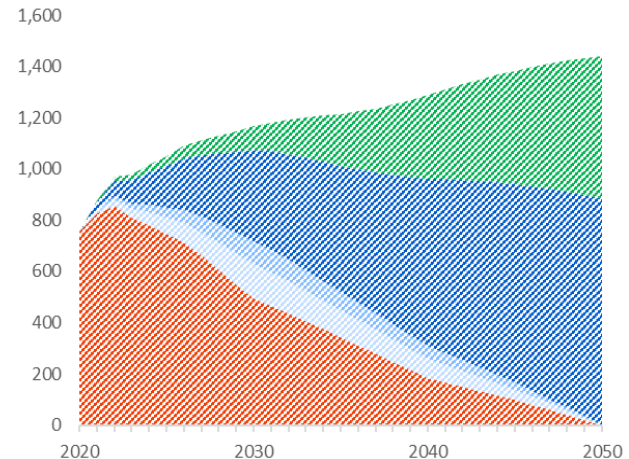
CNF



BEV75



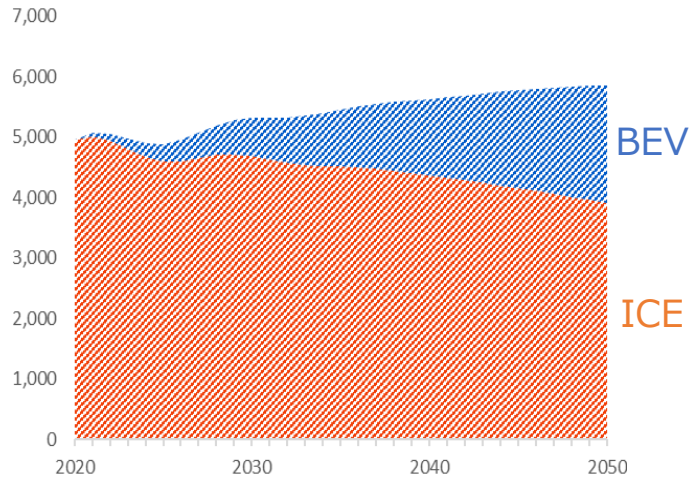
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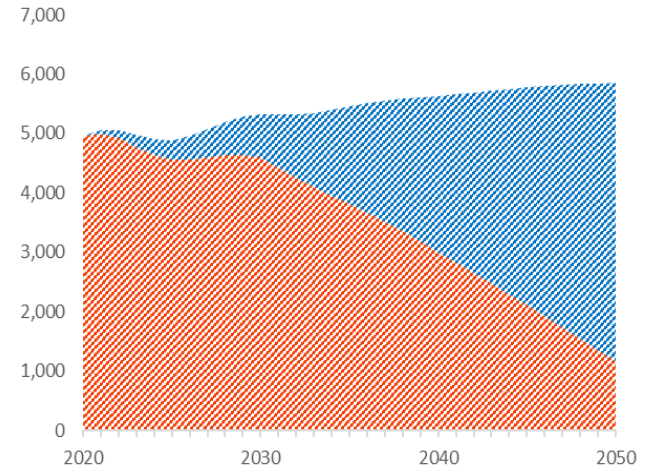
New Motorcycle Sales (Asia-Pacific)

(x 1,000 units)

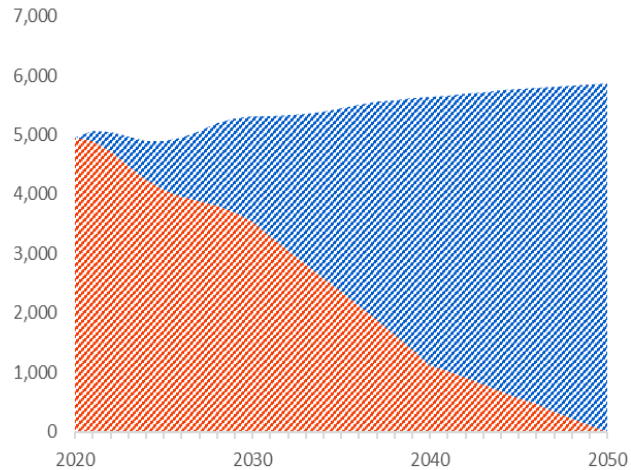
BAU



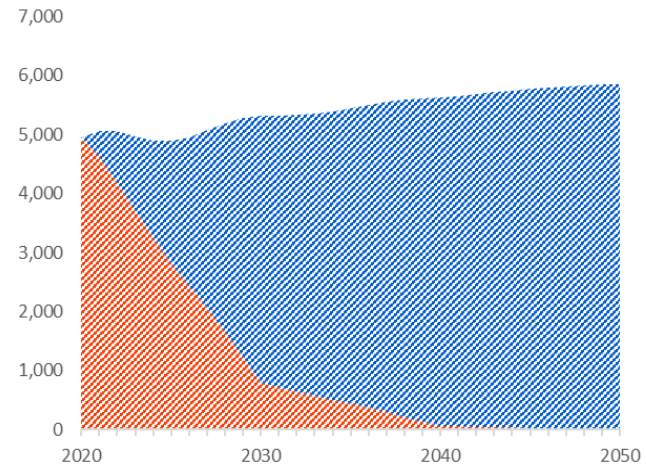
CNF



BEV75



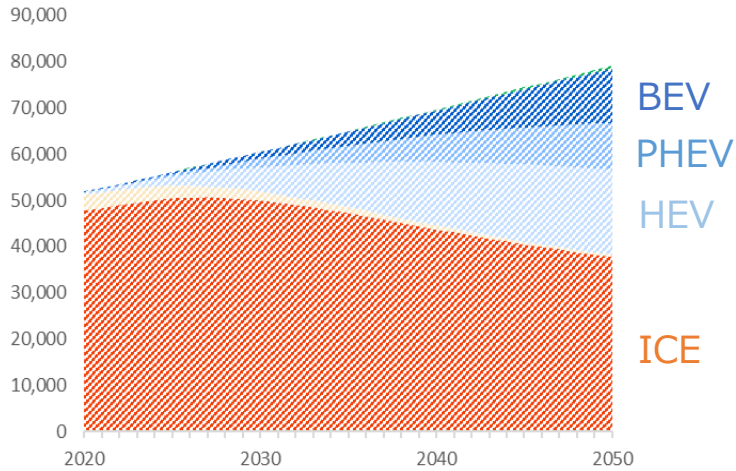
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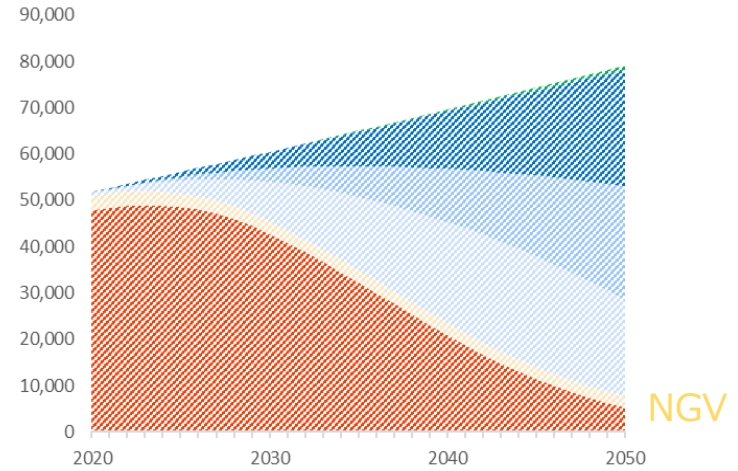
In-Use Passenger Car Fleet (Asia-Pacific)

(x 1,000 units)

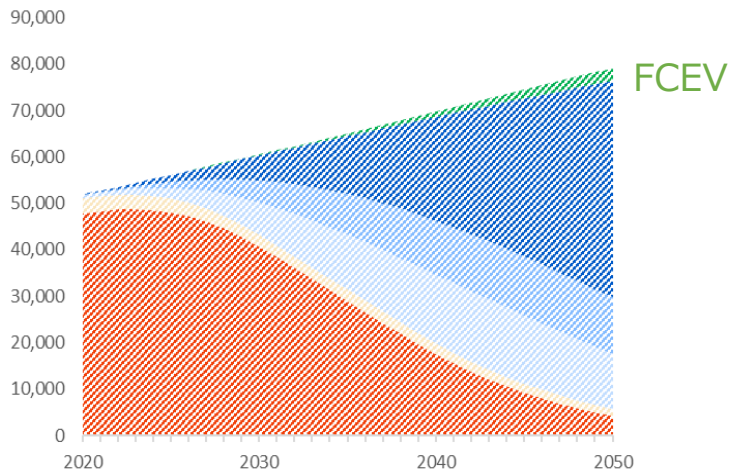
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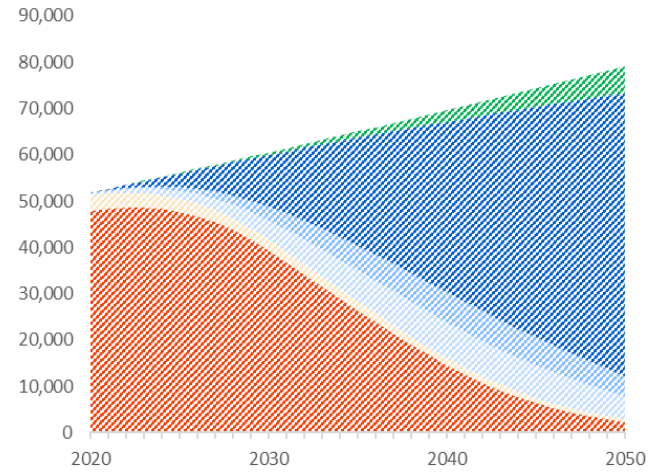
CNF



BEV75



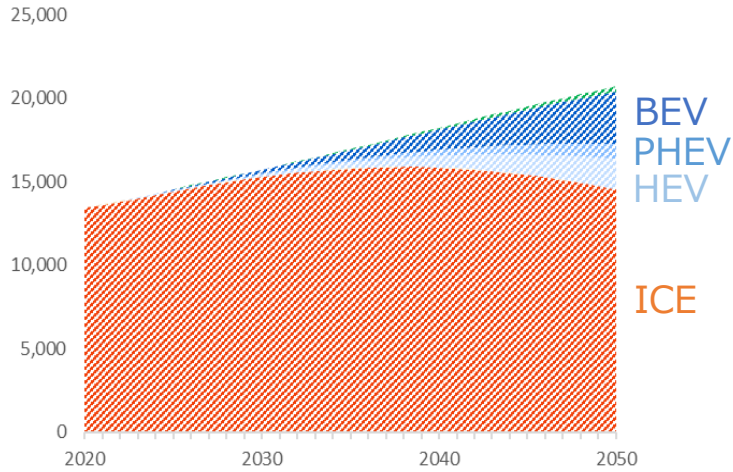
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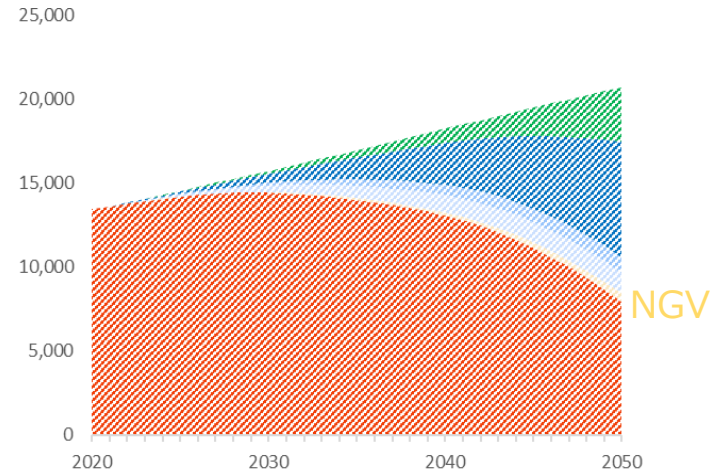
In-Use Commercial Vehicle Fleet (Asia-Pacific)

(x 1,000 units)

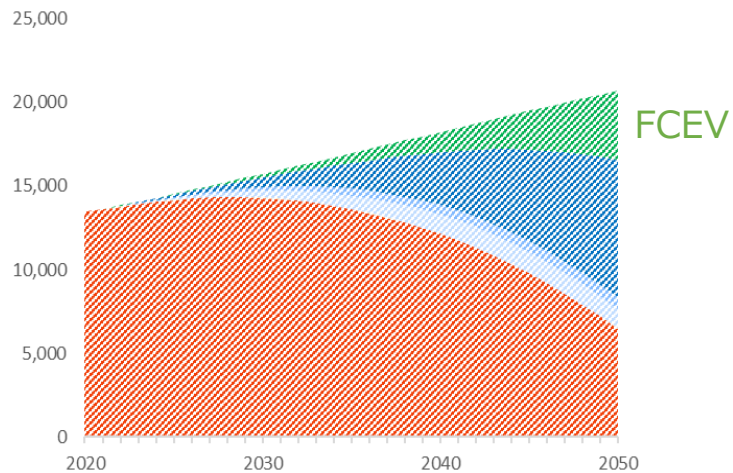
BAU



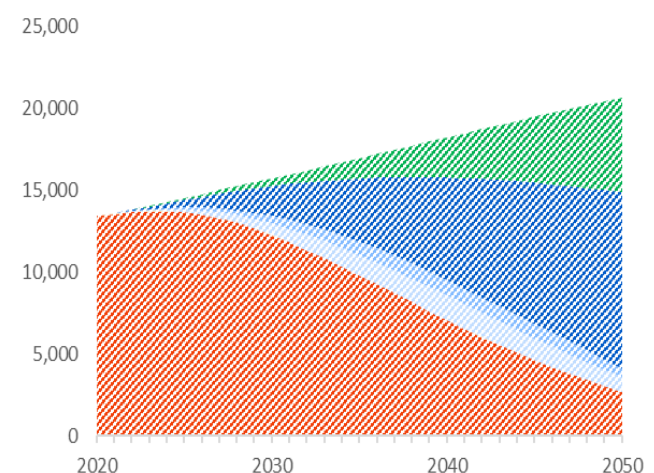
CNF



BEV75



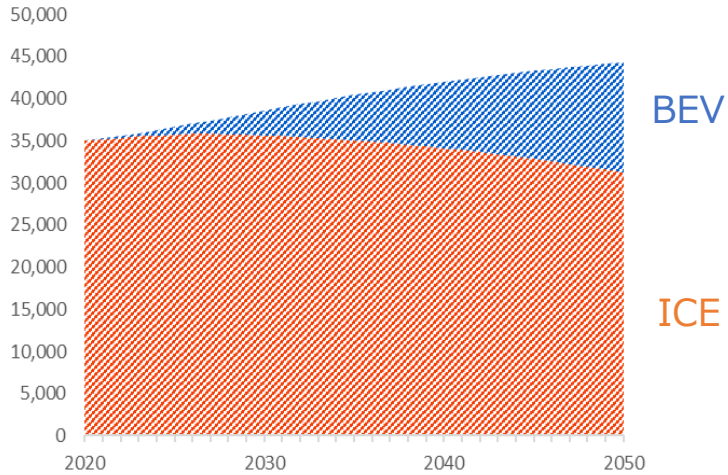
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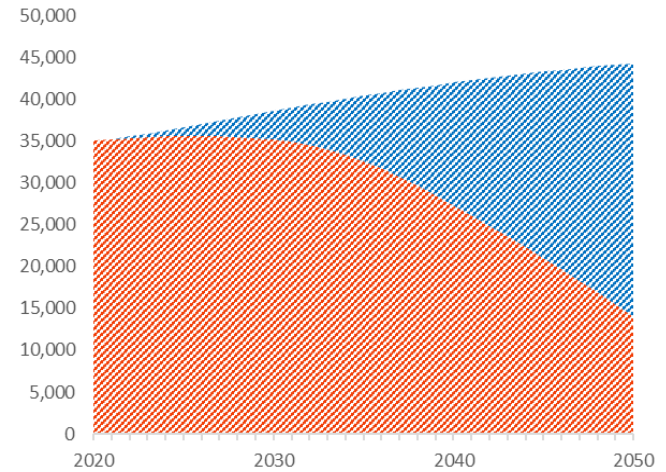
In-Use Motorcycle Fleet (Asia-Pacific)

(x 1,000 units)

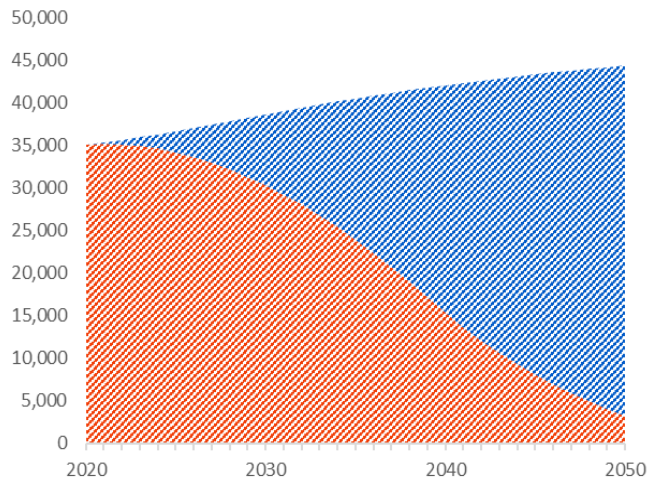
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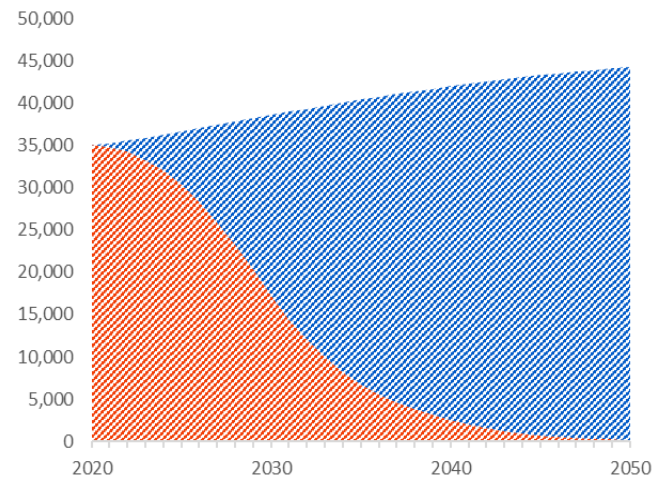
CNF



BEV75



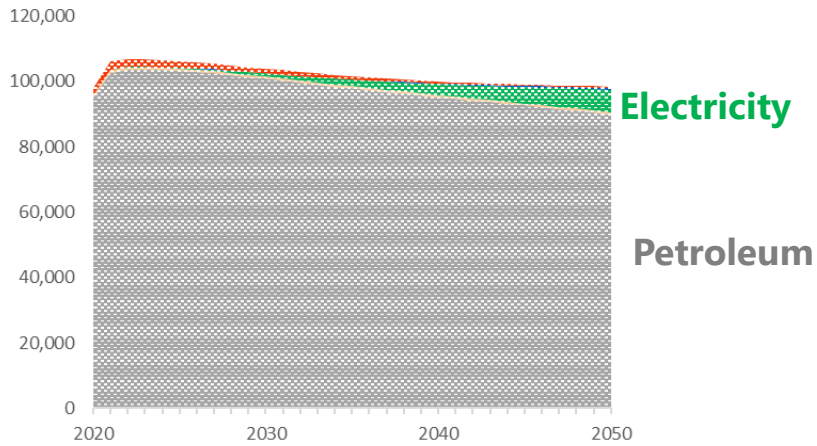
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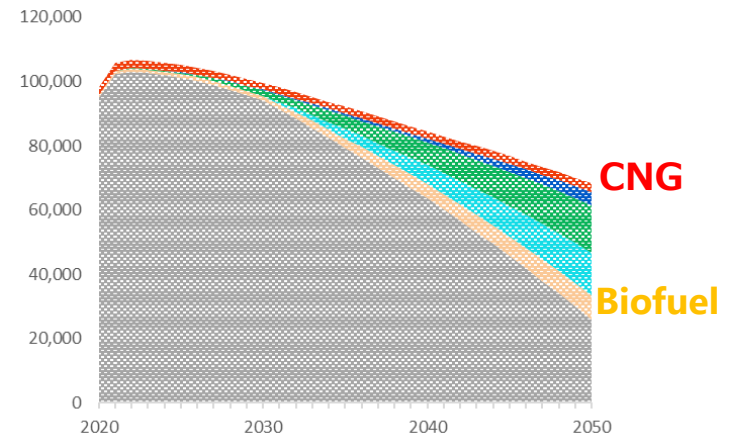
Automotive Fuel Mix (Asia-Pacific)

(In ktoe)

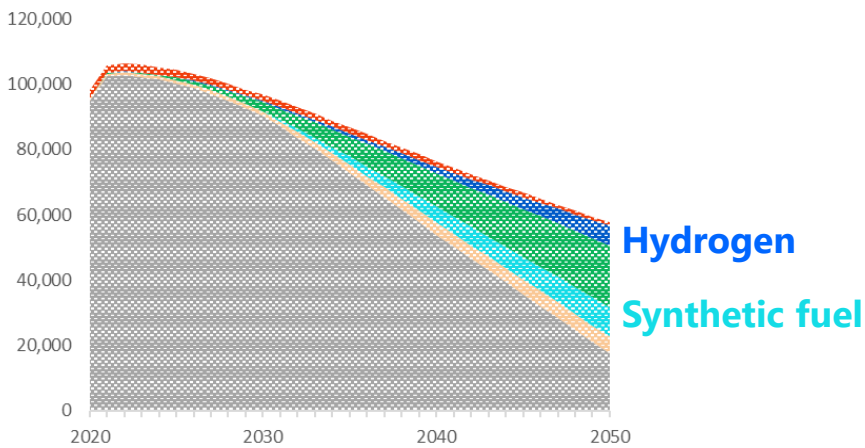
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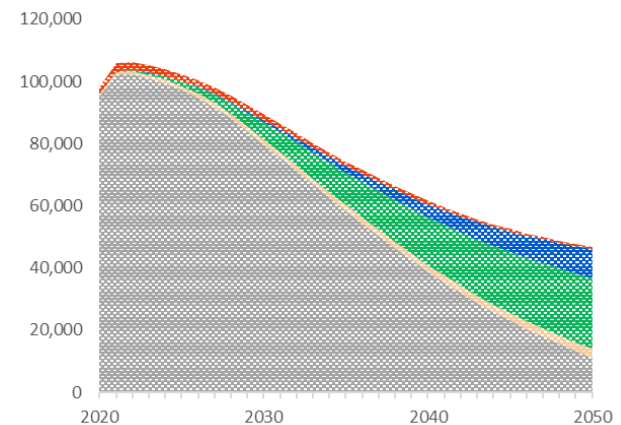
CNF



BEV75

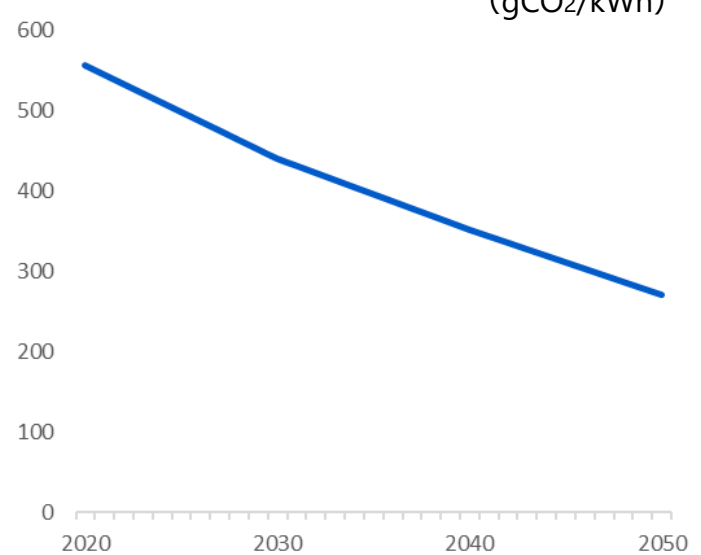
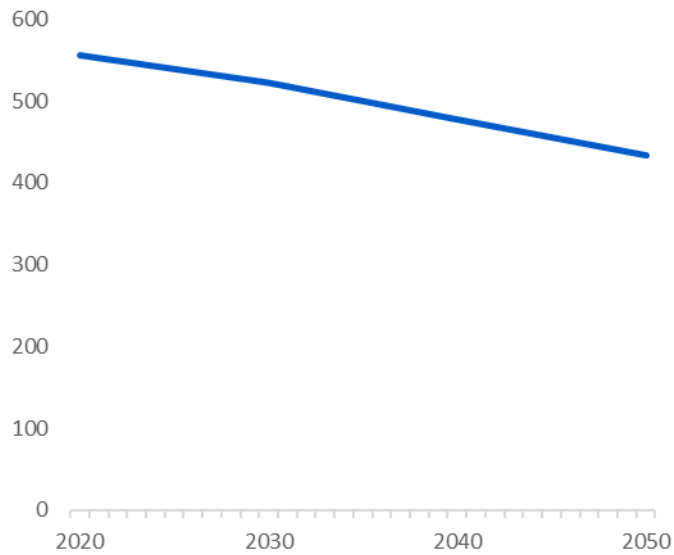
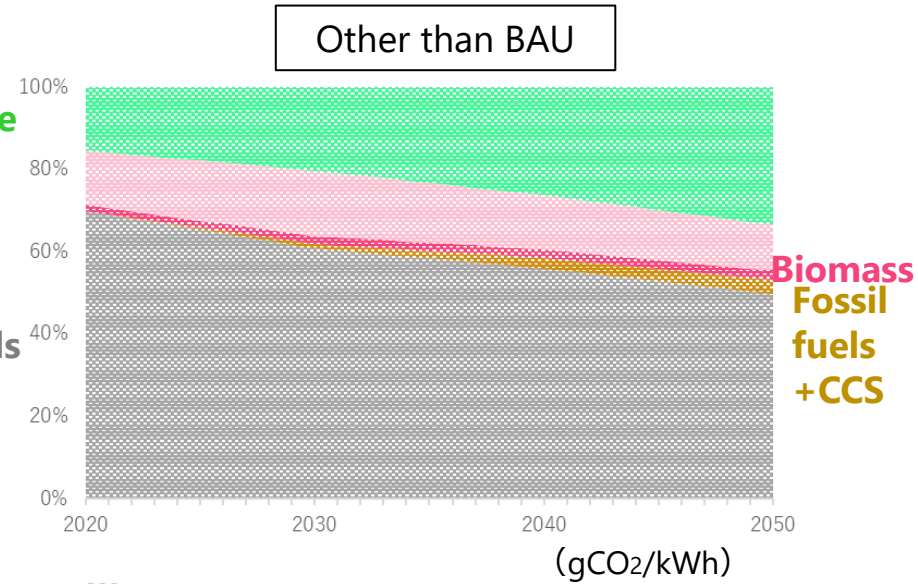
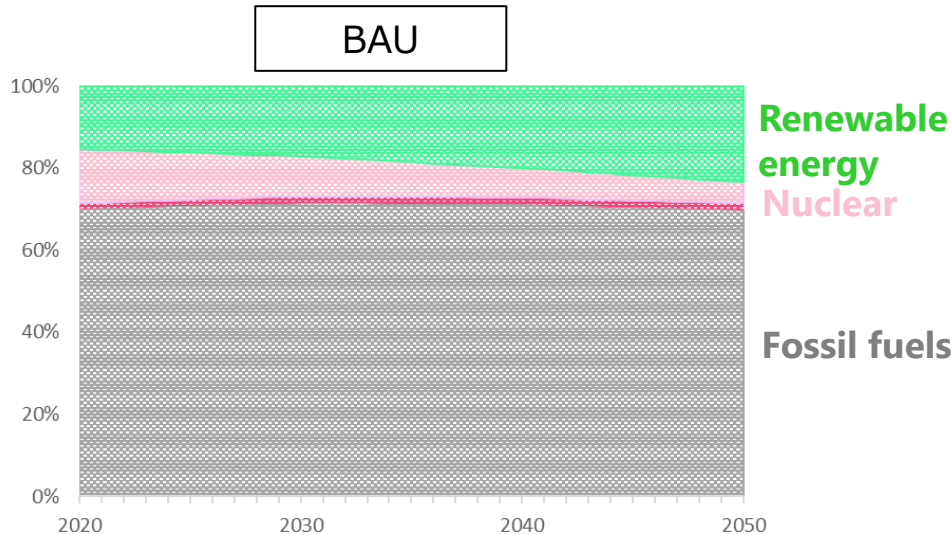


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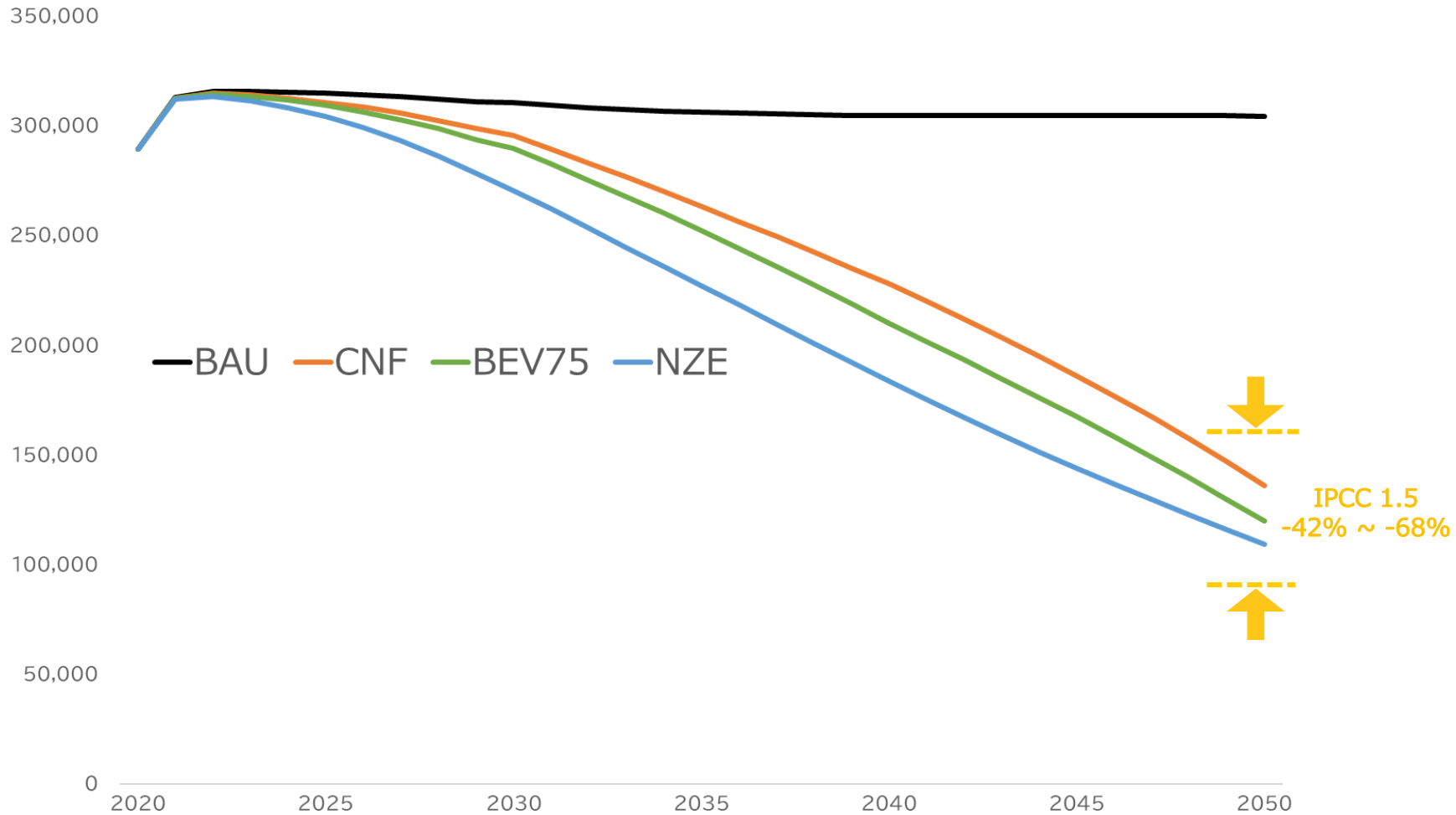
Energy Mix (Asia-Pacific)

(In %)



CO2 Emissions (Asia-Pacific)

(In ktCO₂)



CO₂ emission levels range between about -53% to -62% compared to 2020.

(CO₂ emissions in all the non-BAU scenarios are within the IPCC 2050 1.5°C climate scenarios' -42% to -68% range.)