

Annex 1 - Advanced Economies Europe

Trends in Advanced Economies Europe @2050

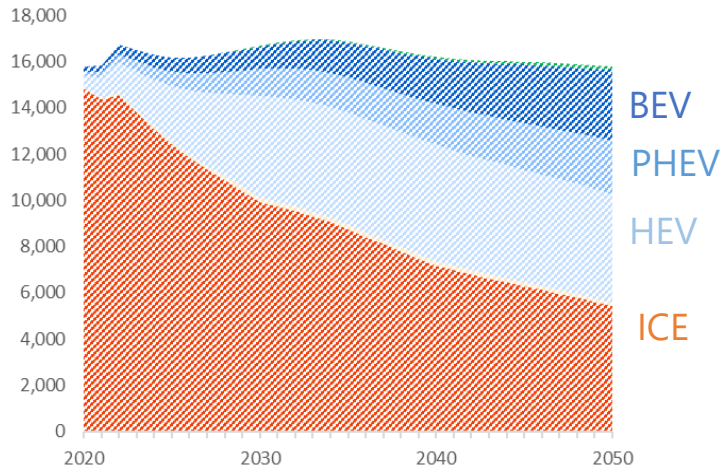
Scenario		Trends in Advanced Economies Europe	2050/2020 CO ₂ emissions
All	Market	<ul style="list-style-type: none"> Passenger cars and commercial vehicles: Gradual increases in both new vehicle sales and in-use fleets; for motorcycles, gradual declines in new vehicle sales and in-use fleet. 	
	Energy mix	<ul style="list-style-type: none"> Share of clean energy is approximately 90%. 	
CNF	Electrified vehicles	<ul style="list-style-type: none"> Share of electrified vehicles in new vehicle sales for all vehicle types is almost 100%, with about 50% of new passenger cars being PHEVs. Share of BEVs/FCEVs in the in-use passenger car and commercial vehicle fleets is approximately 40%. 	-95% approx.
	Fuel mix	<ul style="list-style-type: none"> More than 90% is CNF (synthetic fuels, biofuels) + electricity + hydrogen. CNF share represents approx. 30% of total fuel consumption in 2020. 	
BEV75	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 passenger car and commercial vehicle fleets is approximately 70%. 	-95% approx.
	Fuel mix	<ul style="list-style-type: none"> More than 90% is CNF (synthetic fuels, biofuels) + electricity + hydrogen. CNF share = just under 20% approx. 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 passenger car and commercial vehicle fleets is approximately 90%. 	-92% approx.
	Fuel mix	<ul style="list-style-type: none"> About 80% is biofuels + electricity + hydrogen. (Assumption: Synthetic fuels = 0%.) Biofuel share = approx. 6% of total fuel consumption in 2020. 	

In all non-BAU scenarios, CO₂ emission levels are close to carbon neutrality.

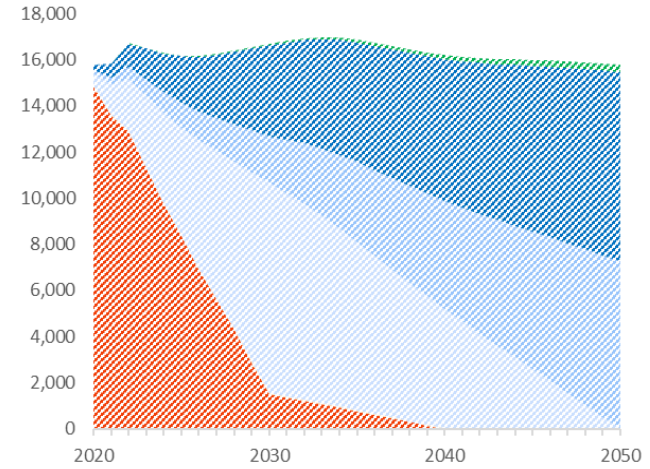
New Passenger Car Sales (Advanced Economies Europe)

(x 1,000 units)

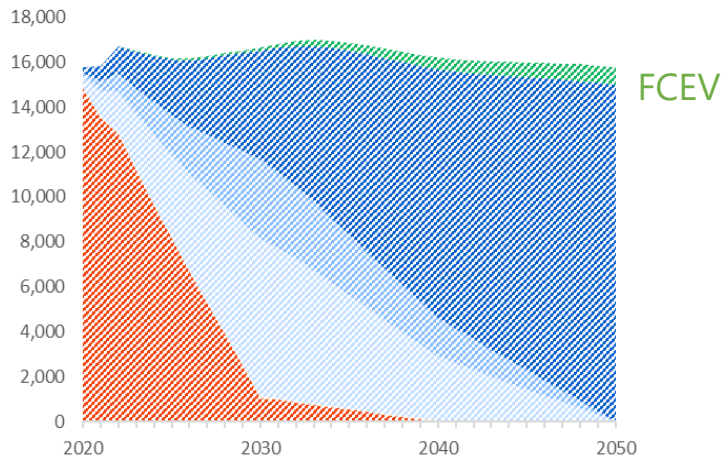
BAU



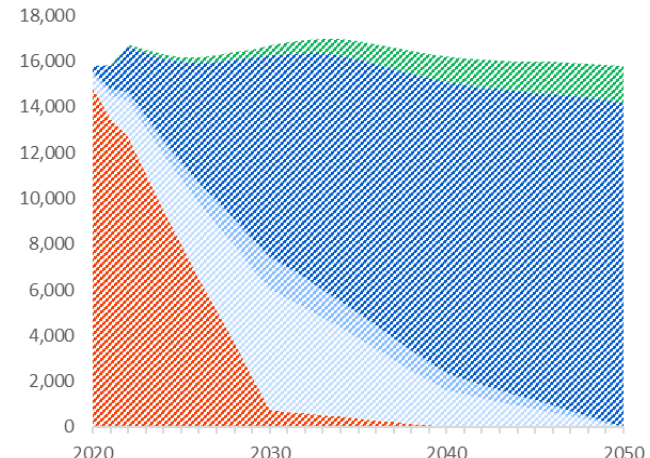
CNF



BEV75



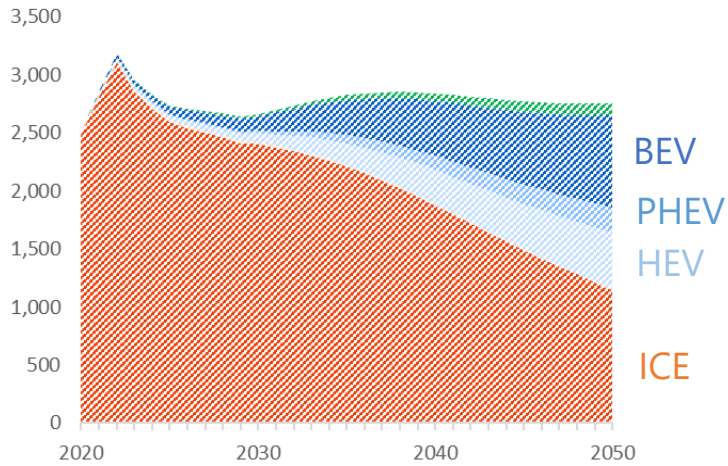
NZE



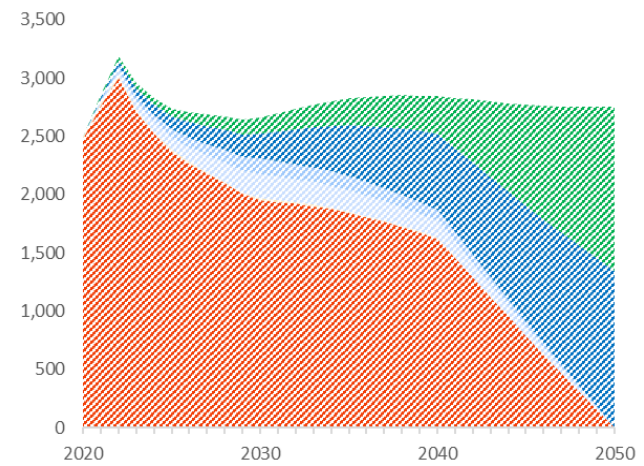
New Commercial Vehicle Sales (Advanced Economies Europe)

(x 1,000 units)

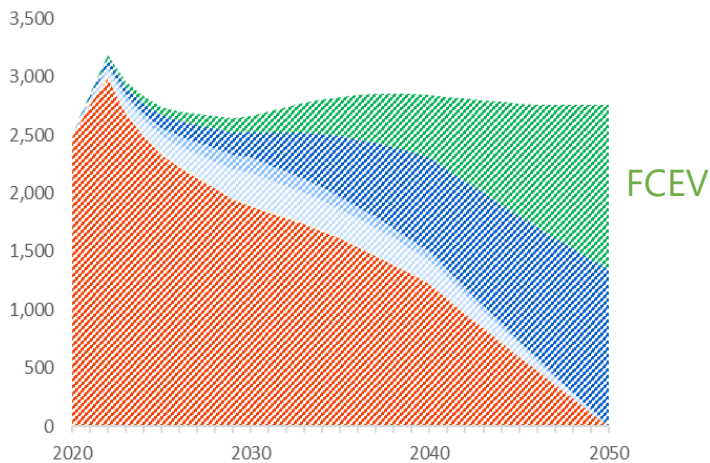
BAU



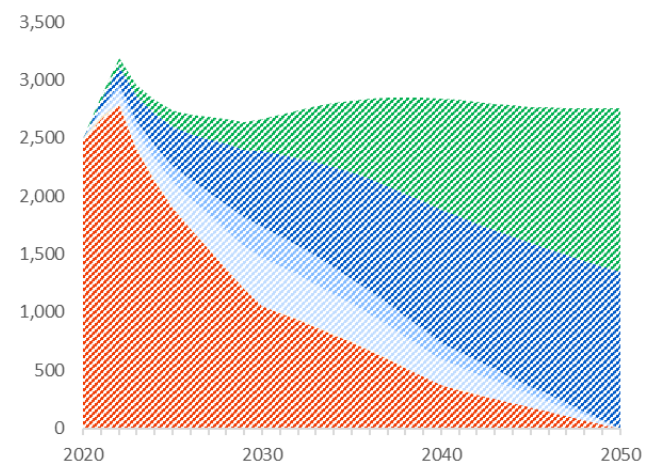
CNF



BEV75

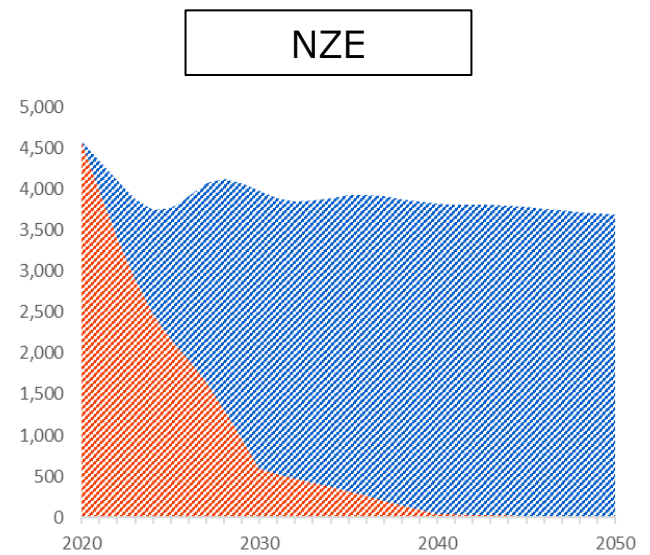
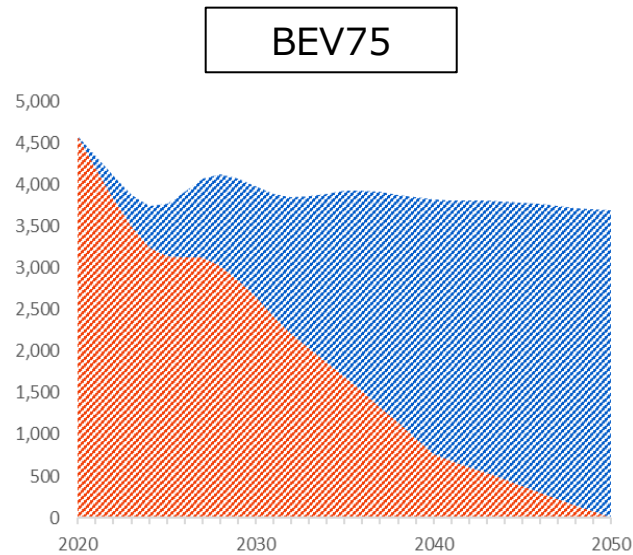
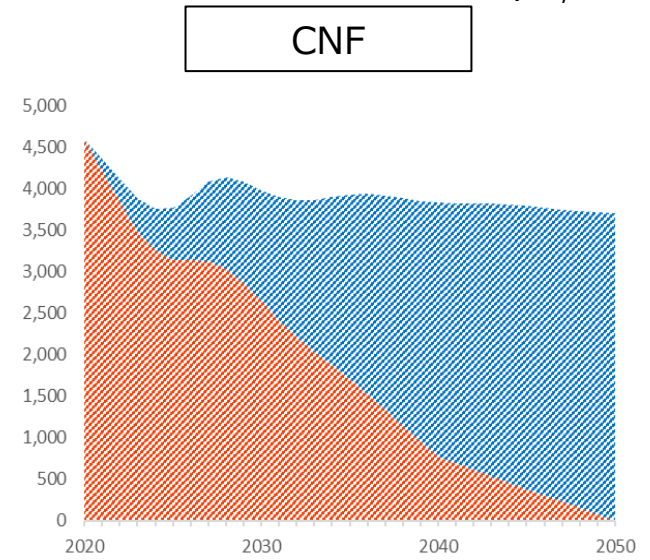
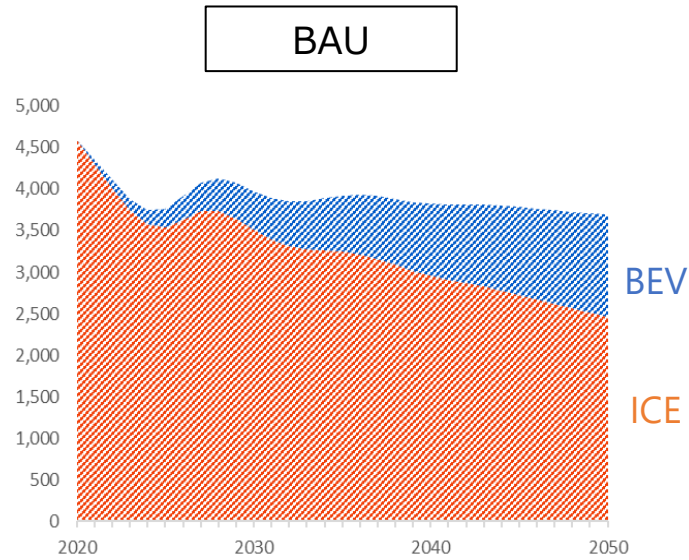


NZE



New Motorcycle Sales (Advanced Economies Europe)

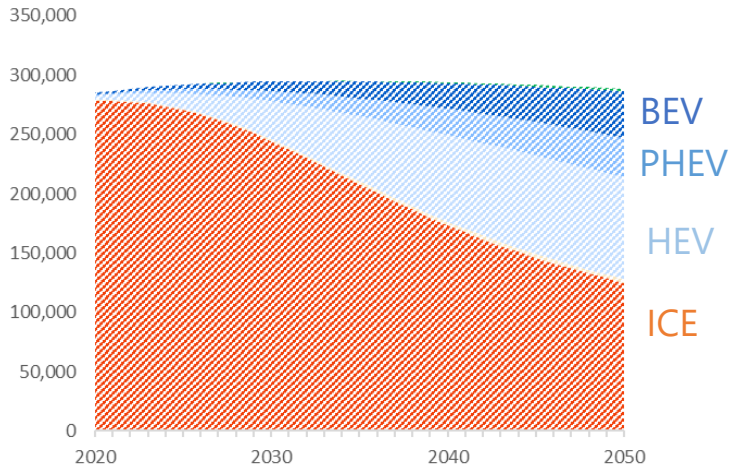
(x 1,000 units)



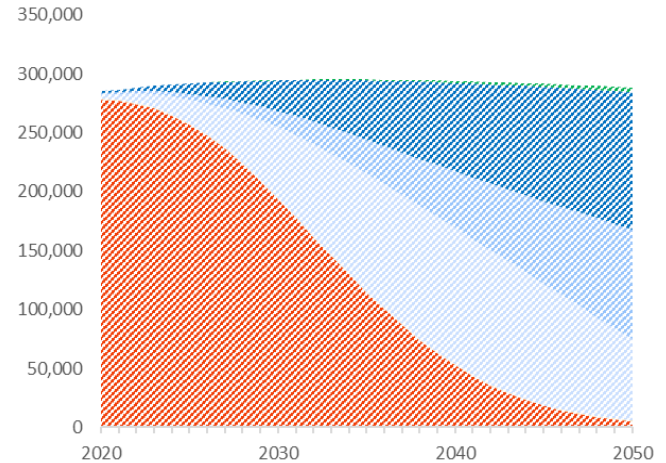
In-Use Passenger Car Fleet (Advanced Economies Europe)

(x 1,000 units)

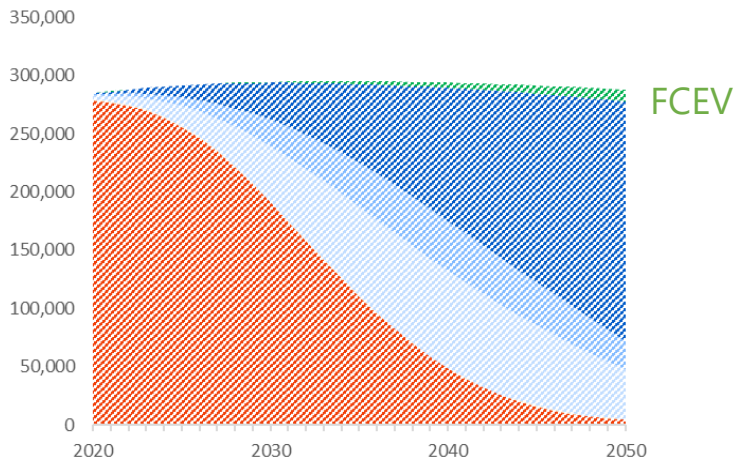
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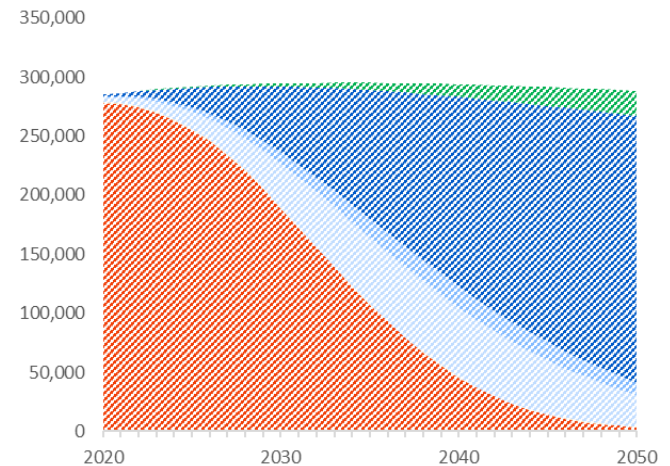
CNF



BEV75



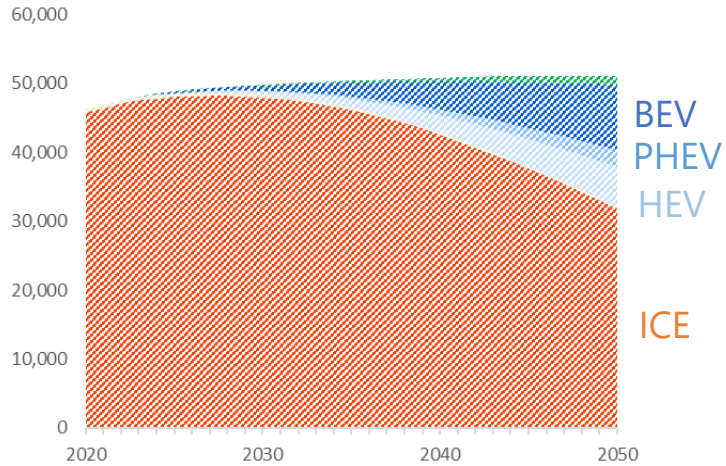
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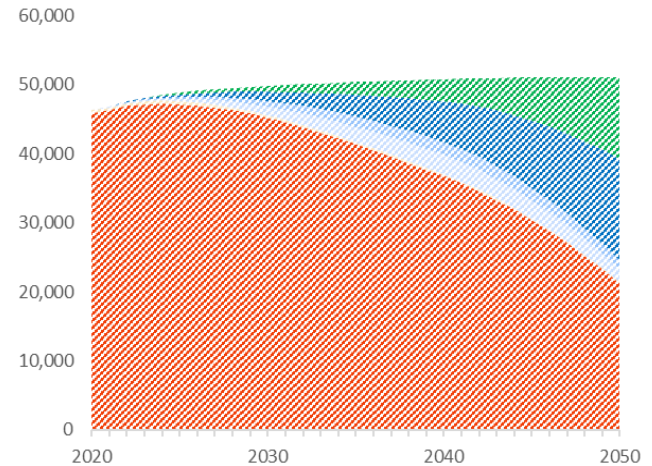
In-Use Commercial Vehicle Fleet (Advanced Economies Europe)

(x 1,000 units)

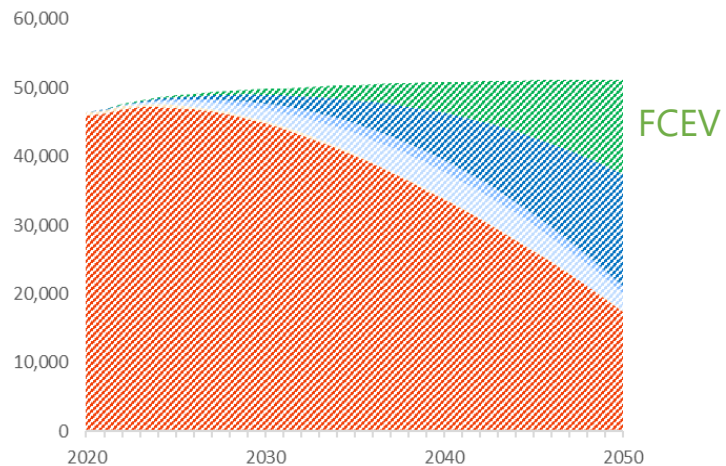
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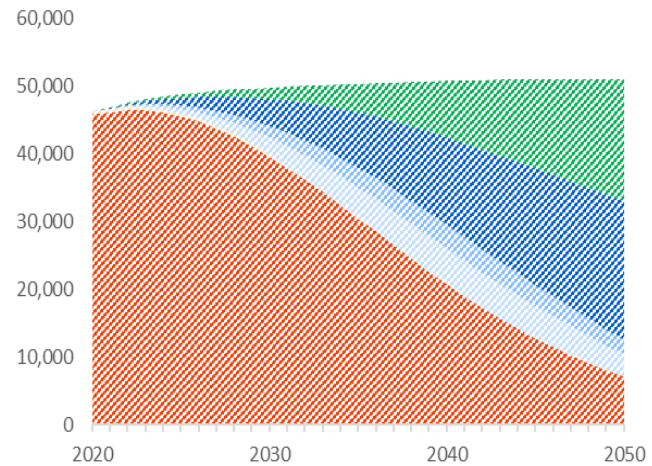
CNF



BEV75



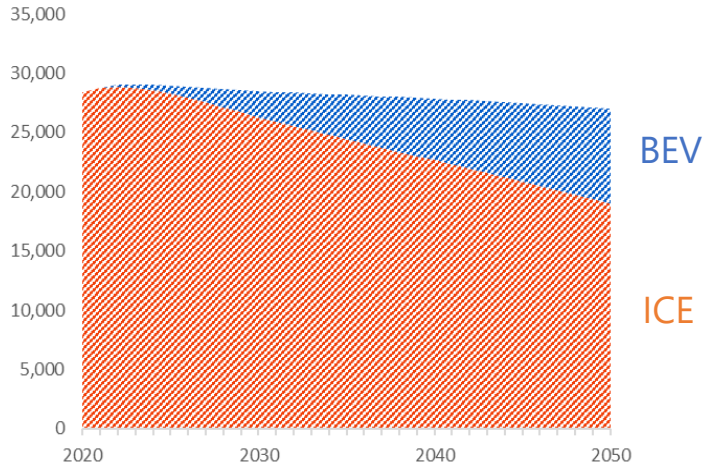
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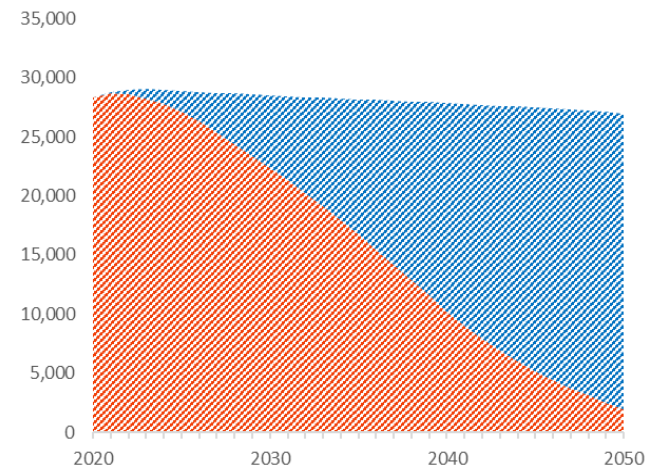
In-Use Motorcycle Fleet (Advanced Economies Europe)

(x 1,000 units)

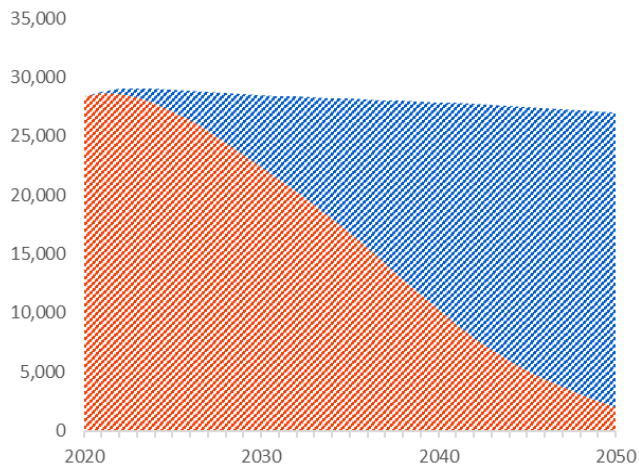
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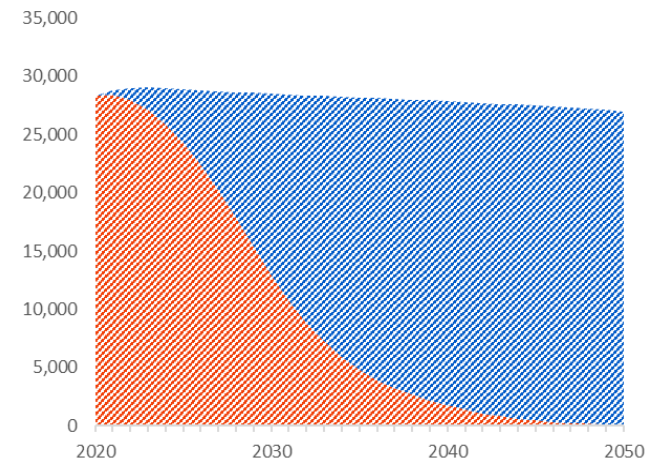
CNF



BEV75



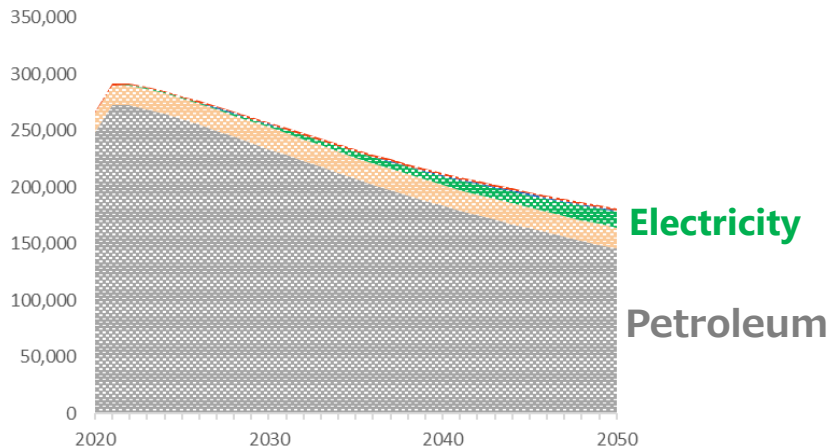
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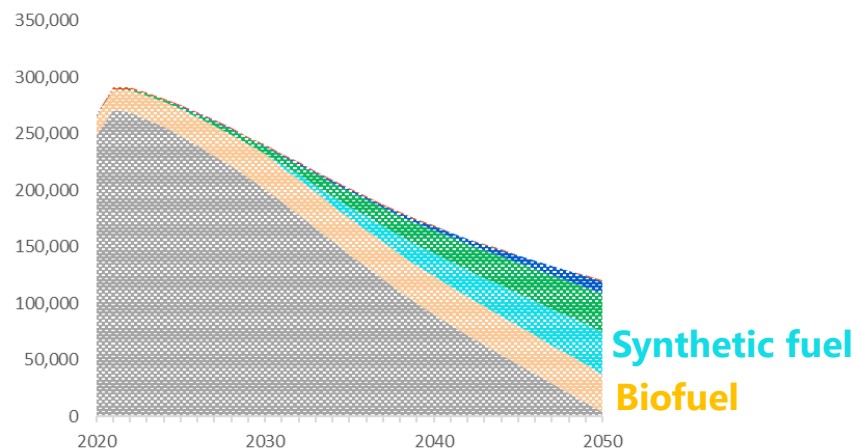
Automotive Fuel Mix (Advanced Economies Europe)

(In ktoe)

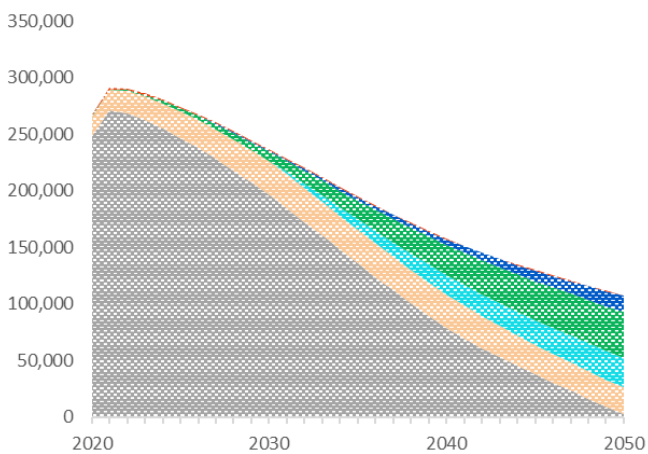
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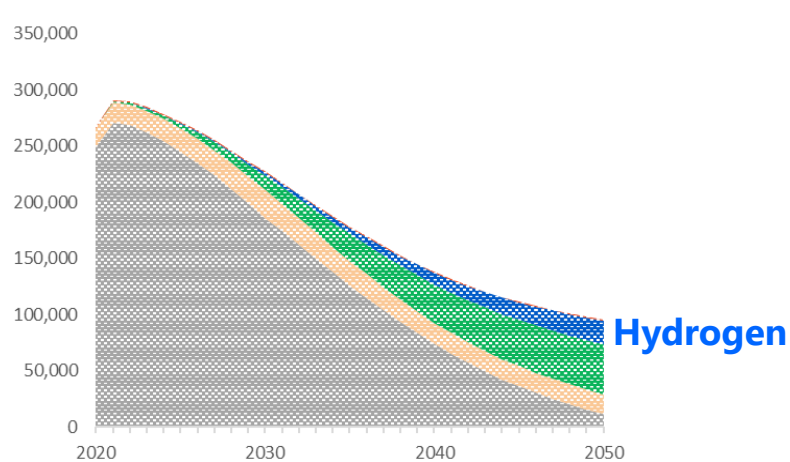
CNF



BEV75

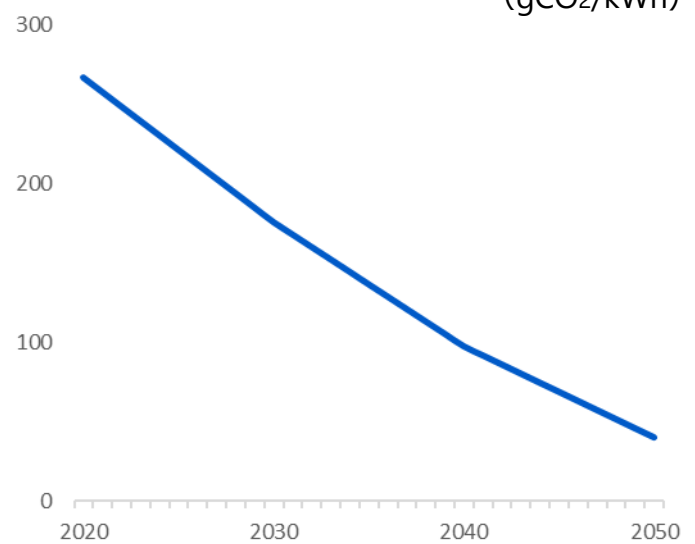
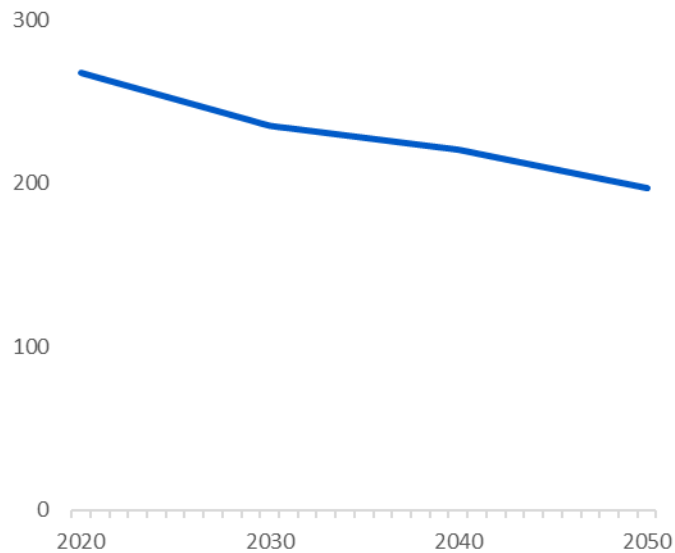
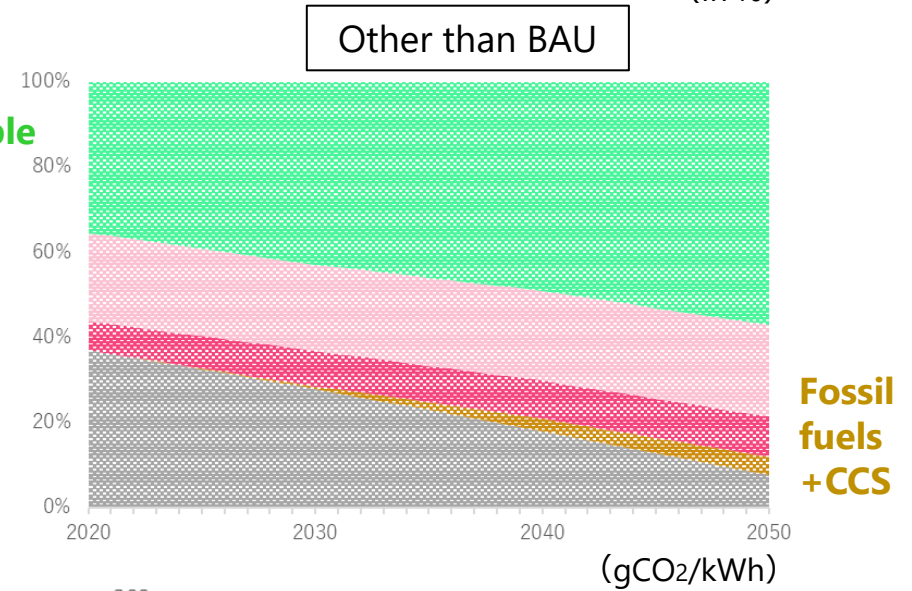
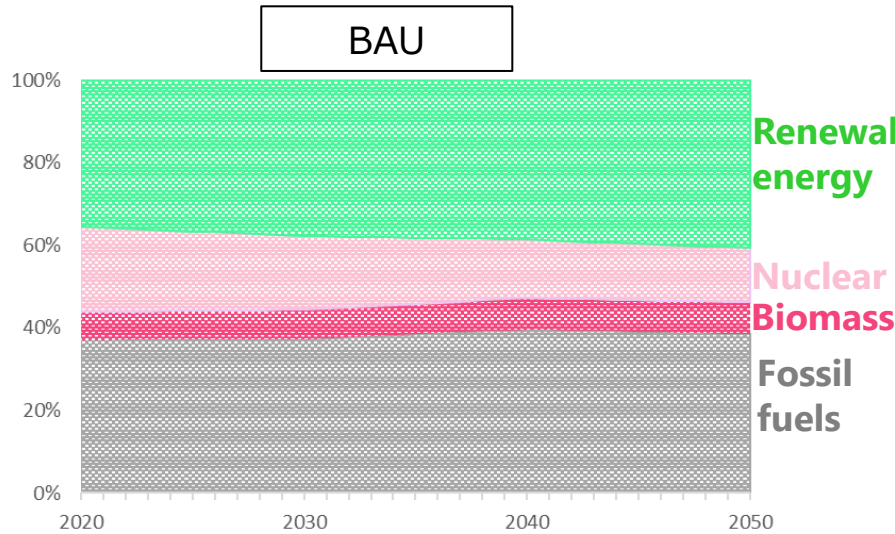


NZE



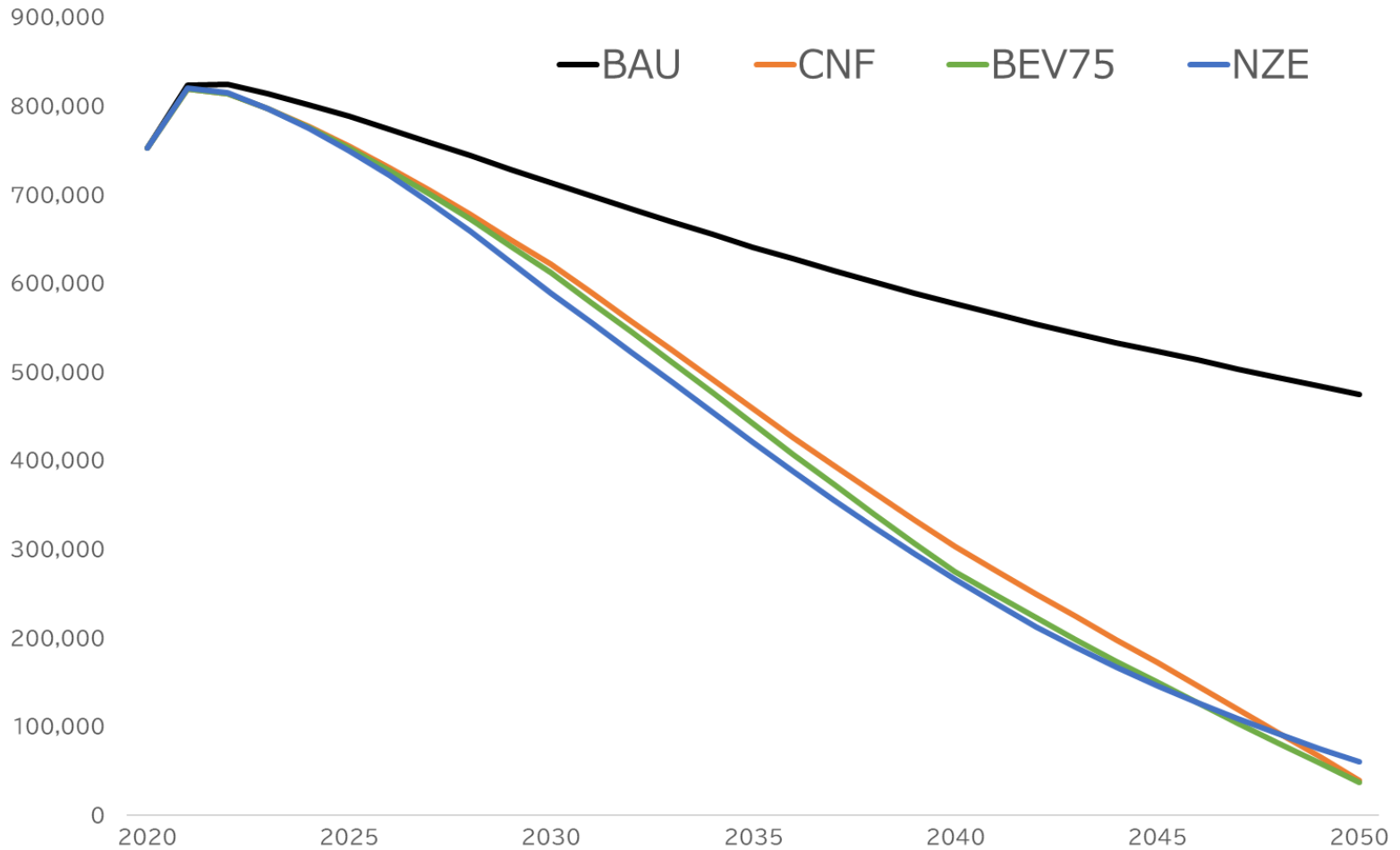
Energy Mix (Advanced Economies Europe)

(In %)



CO2 Emissions (Advanced Economies Europe)

(In ktCO₂)



In all the scenarios, CO₂ emission levels are close to carbon neutrality.