

Annex 8 – Middle East

Trends in the Middle East @2050

Scenario	Trends in the Middle East		2050/2020 CO2 emissions
All	Market	<ul style="list-style-type: none"> For all vehicle types: Significant increases in both new vehicle sales and in-use fleets. 	
	Energy mix	<ul style="list-style-type: none"> Share of clean energy is approximately 75%. 	
CNF	Electrified vehicles	<ul style="list-style-type: none"> Share of electrified vehicles in new passenger car sales is almost 100%, with about 30% of new passenger cars being BEVs/FCEVs. Share of BEVs/FCEVs in the in-use passenger car and commercial vehicle fleets is approximately 20%. 	-30% approx. (In CNF+, -56% approx.)
	Fuel mix	<ul style="list-style-type: none"> Share of biofuels + electricity + hydrogen is approx. 60%. CNF share represents approx. 23% of total fuel consumption in 2050. (In CNF+ scenario, CNF share increases to 51%.) 	
BEV75	Electrified vehicles	<ul style="list-style-type: none"> Share of electrified vehicles in new passenger car and commercial vehicle sales is 100%, with about 50% being BEVs/FCEVs. Share of BEVs/FCEVs in the in-use passenger car and commercial vehicle fleets is approximately 40%. 	-45% approx.
	Fuel mix	<ul style="list-style-type: none"> Share of biofuels + electricity + hydrogen is approx. 70%. CNF share represents approx. 20% of total fuel consumption in 2050. 	
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%. 	-65% approx.
	Fuel mix	<ul style="list-style-type: none"> About 70% is biofuels + electricity + hydrogen. (Assumption: Synthetic fuel = 0%) Biofuel share = 4% of total fuel consumption in 2050. 	

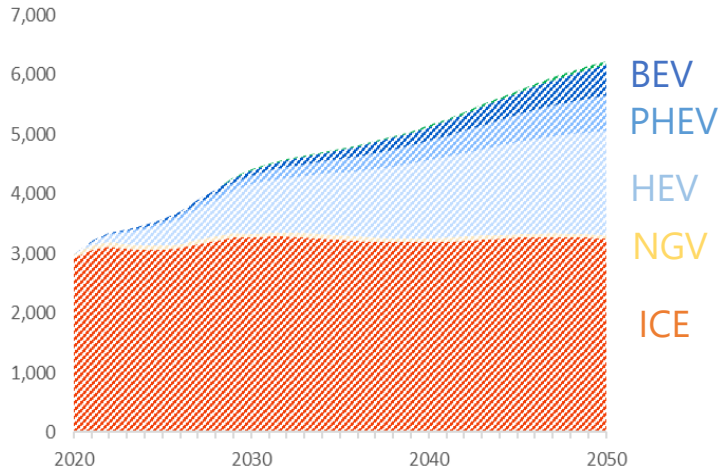
CO2 emission levels range between about -30% to -65% compared to 2020.

(CO2 emissions in two scenarios are within or lower than the IPCC 2050 1.5°C climate scenarios' -42% to -68% range.)

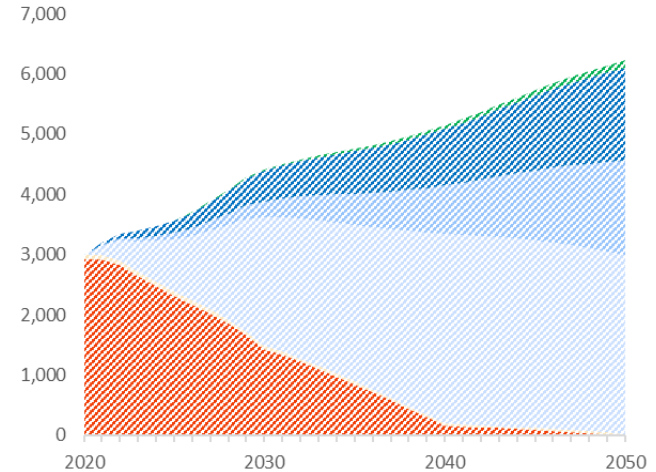
New Passenger Car Sales (Middle East)

(x 1,000 units)

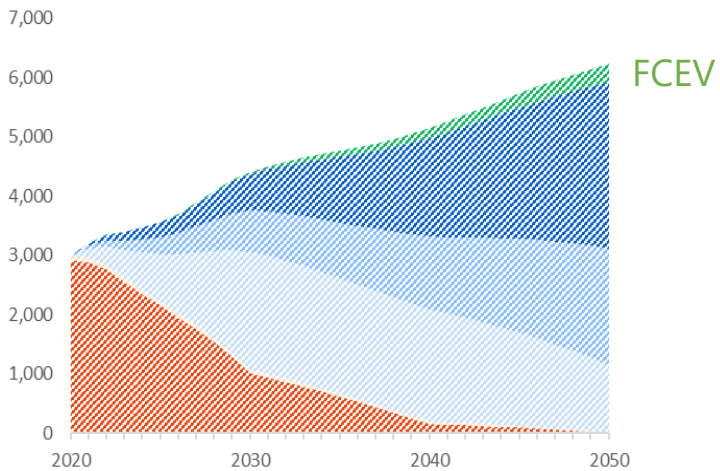
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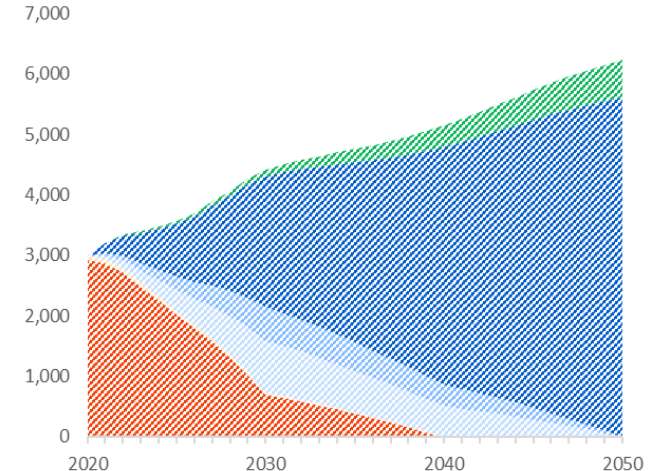
CNF



BEV75



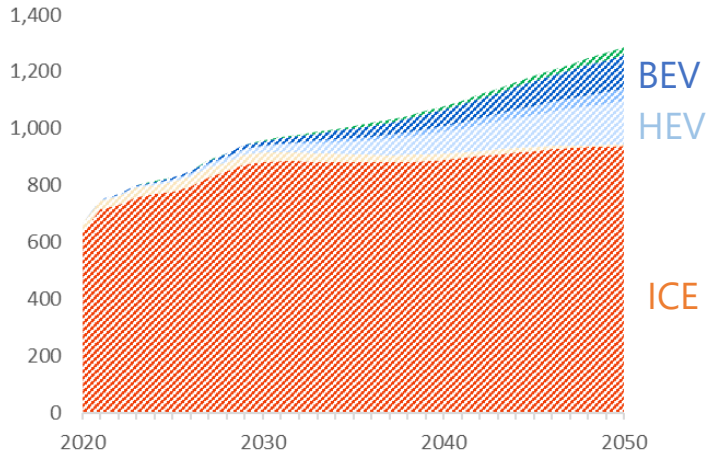
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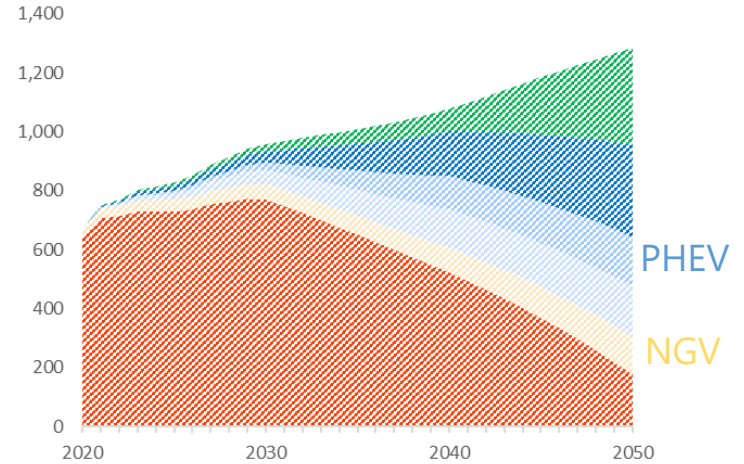
New Commercial Vehicle Sales (Middle East)

(x 1,000 units)

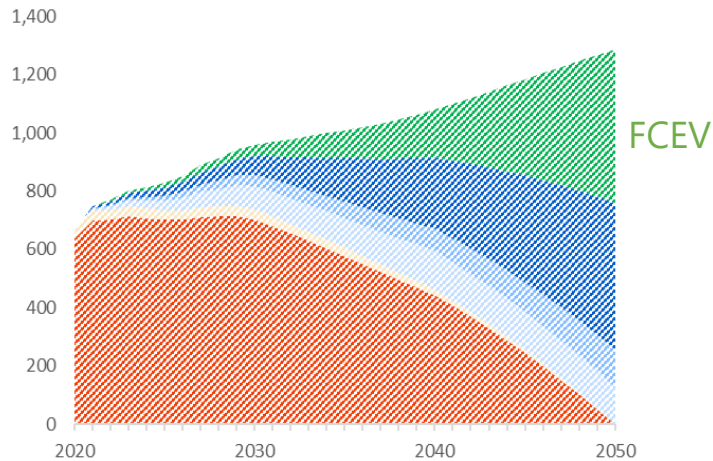
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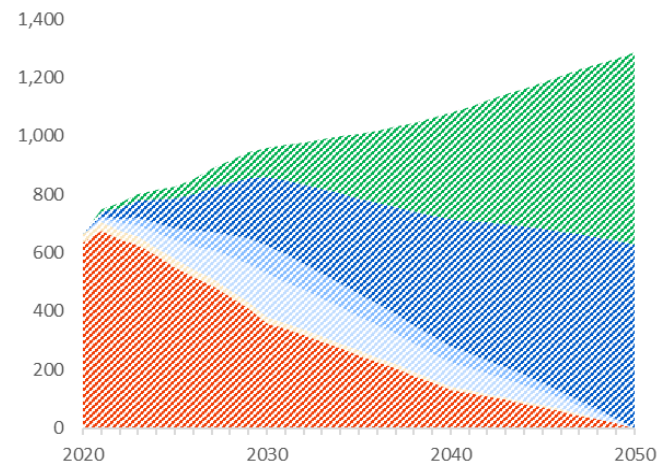
CNF



BEV75



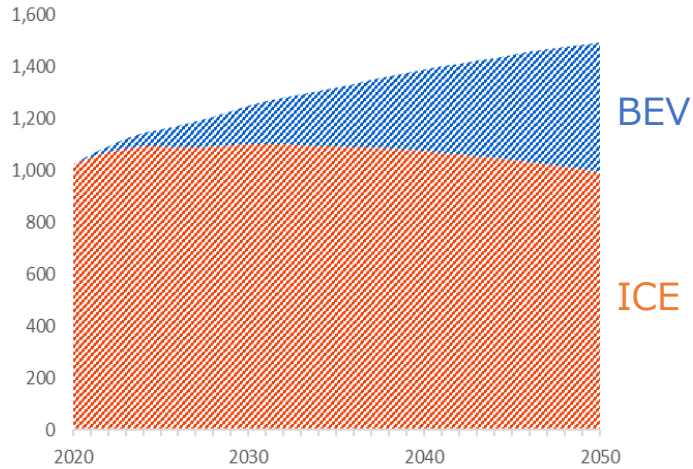
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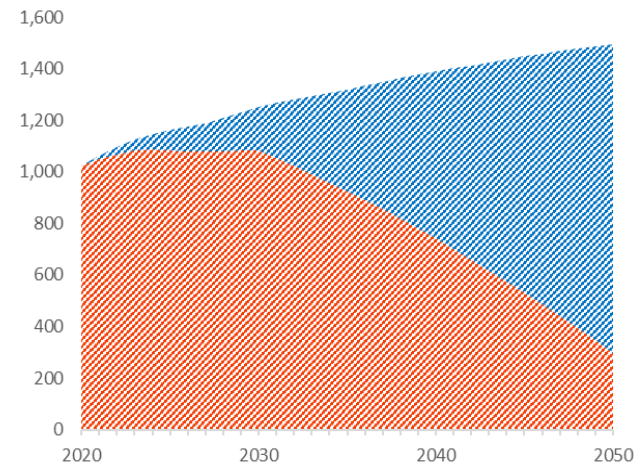
New Motorcycle Sales (Middle East)

(x 1,000 units)

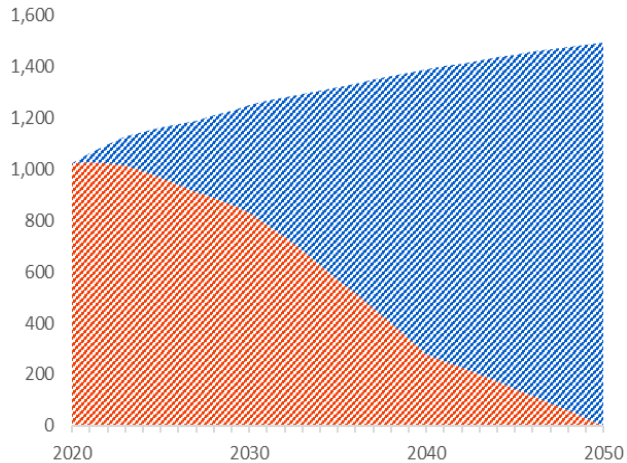
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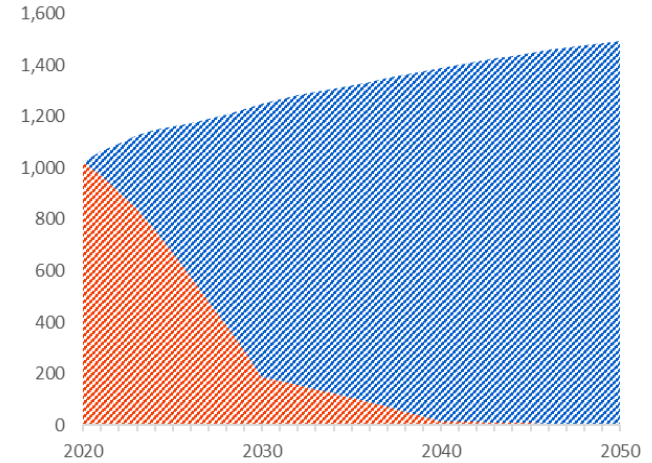
CNF



BEV75



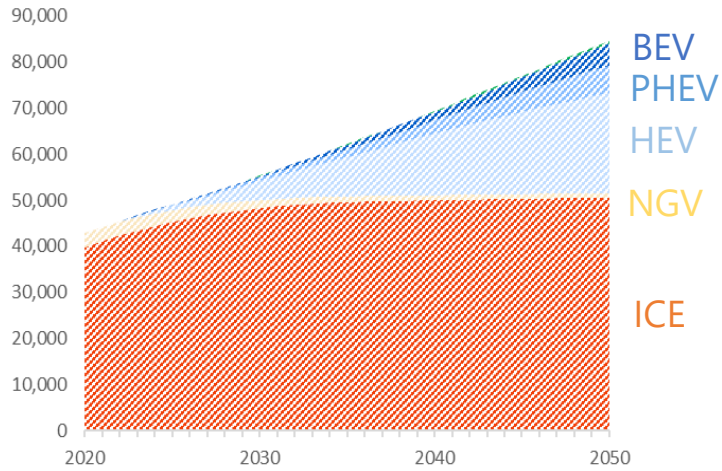
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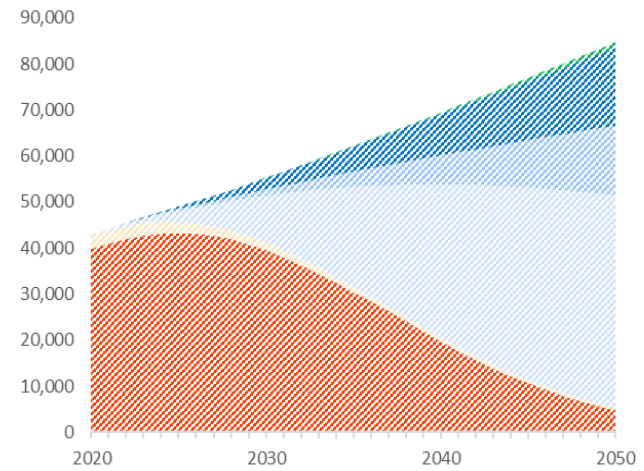
In-Use Passenger Car Fleet (Middle East)

(x 1,000 units)

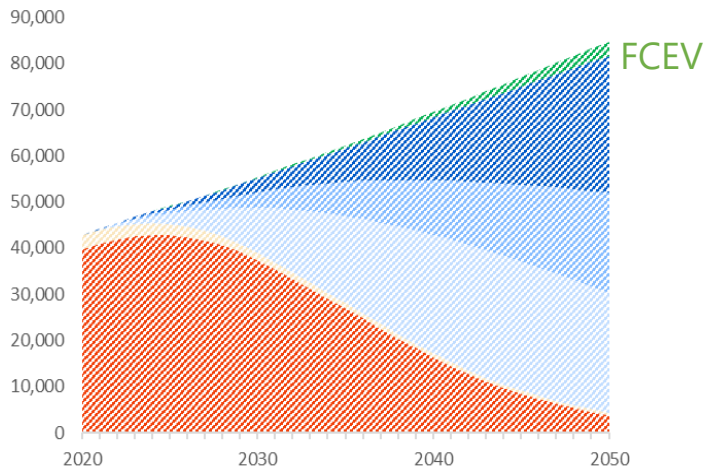
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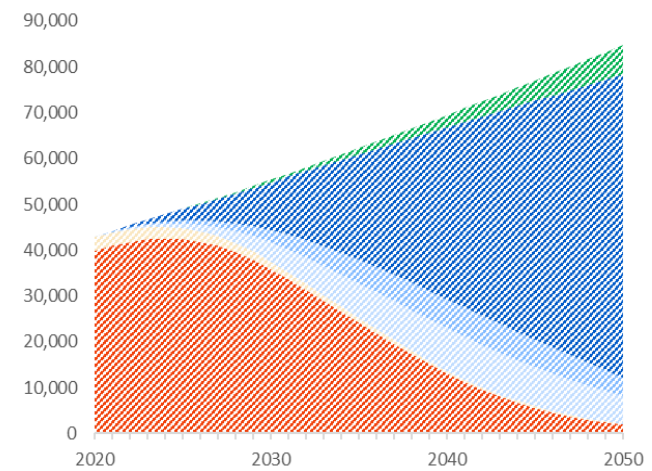
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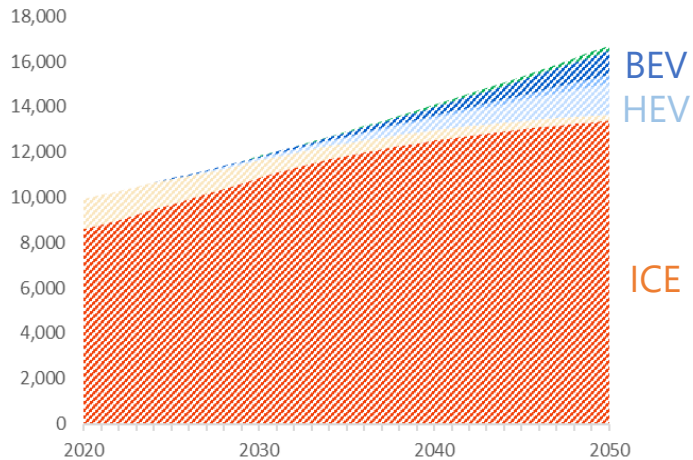
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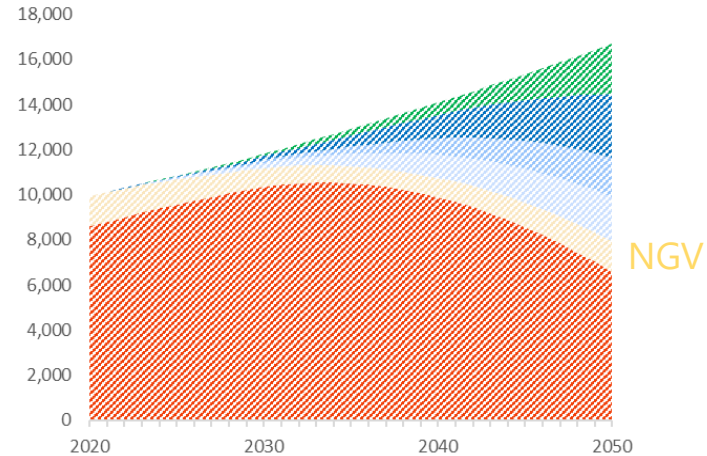
In-Use Commercial Vehicle Fleet (Middle East)

(x 1,000 units)

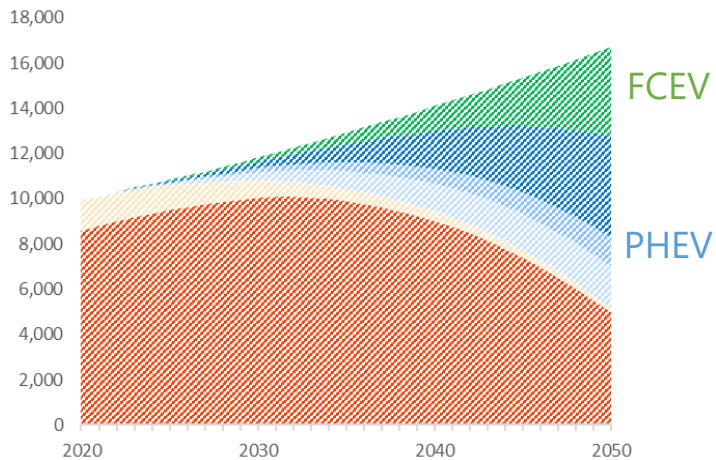
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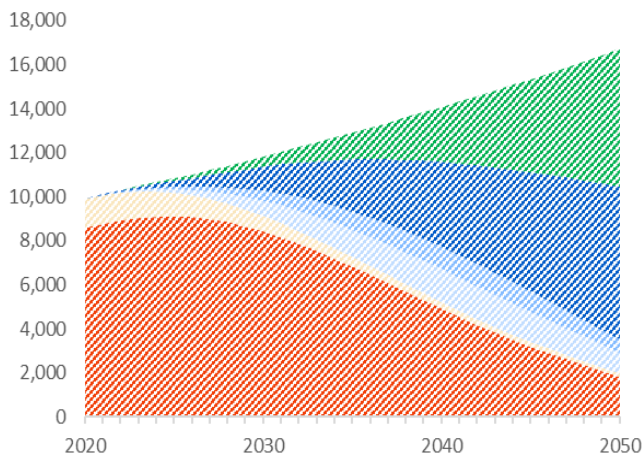
CNF



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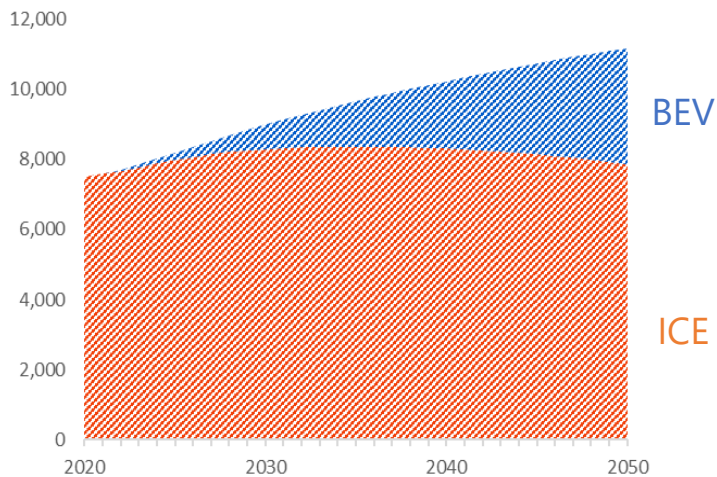
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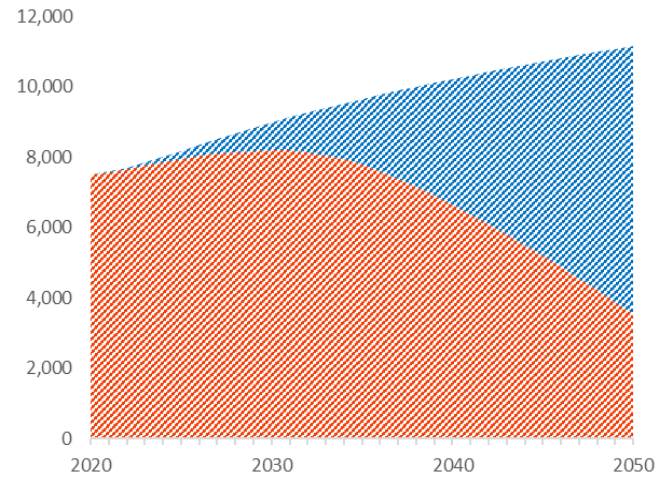
In-Use Motorcycle Fleet (Middle East)

(x 1,000 units)

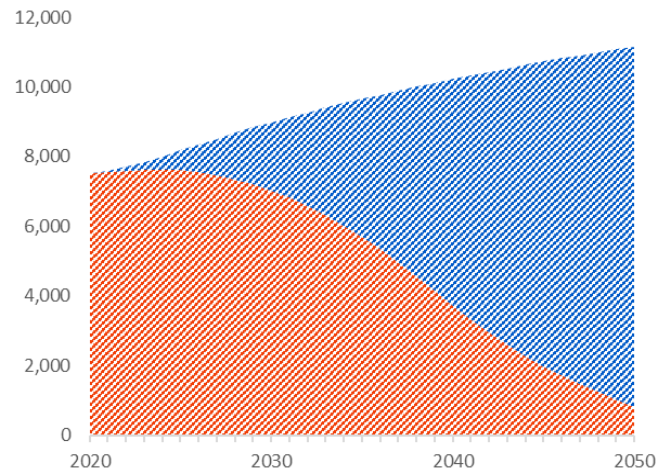
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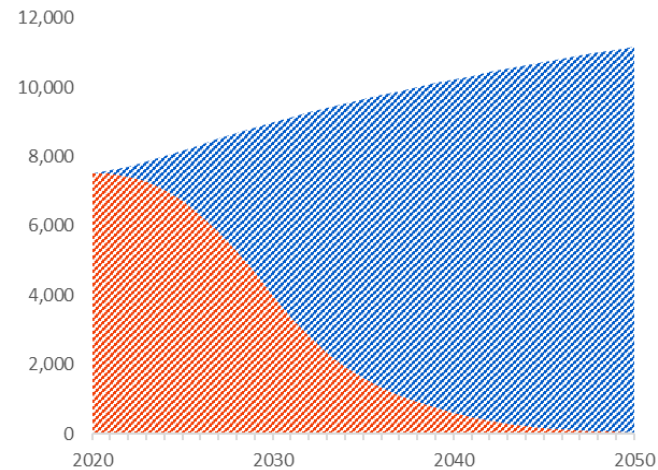
CNF



BEV75



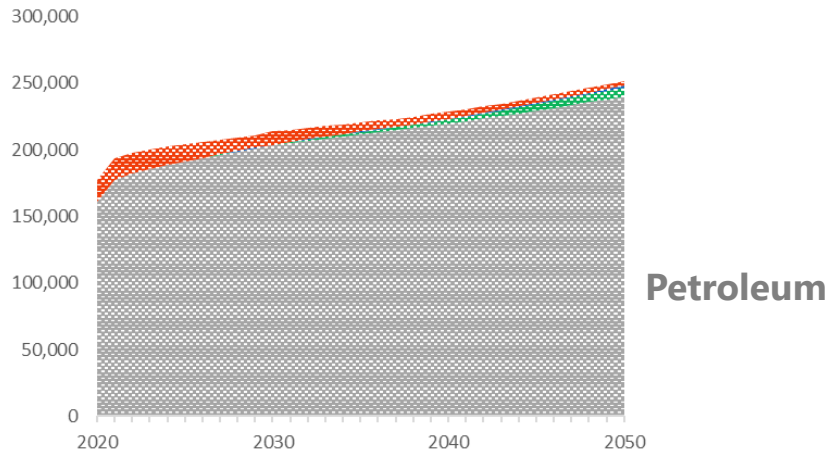
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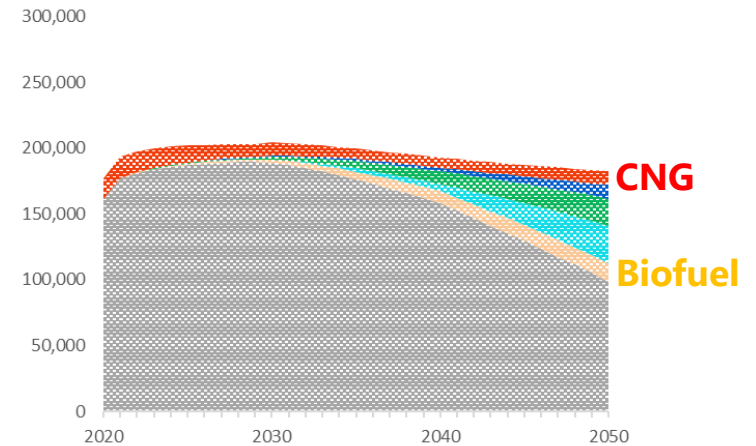
Automotive Fuel Mix (Middle East)

(In ktoe)

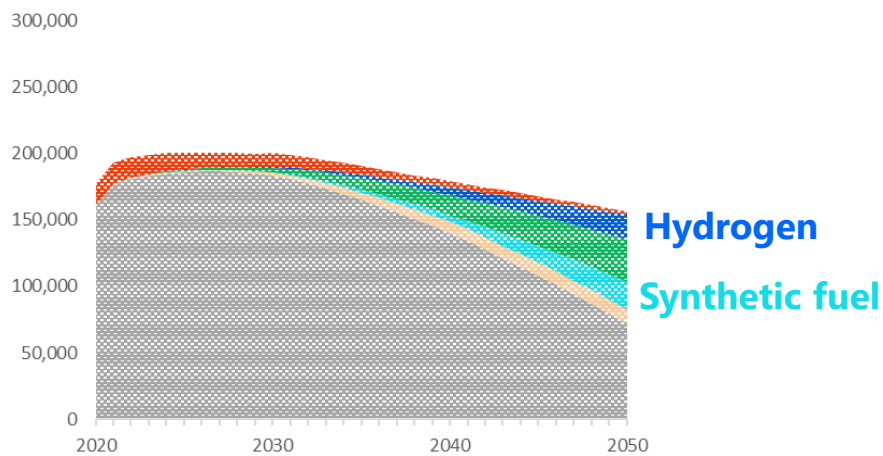
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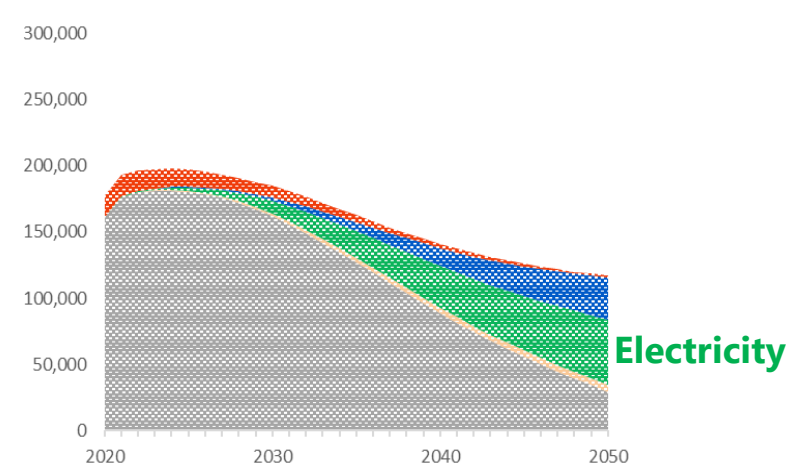
CNF



BEV75

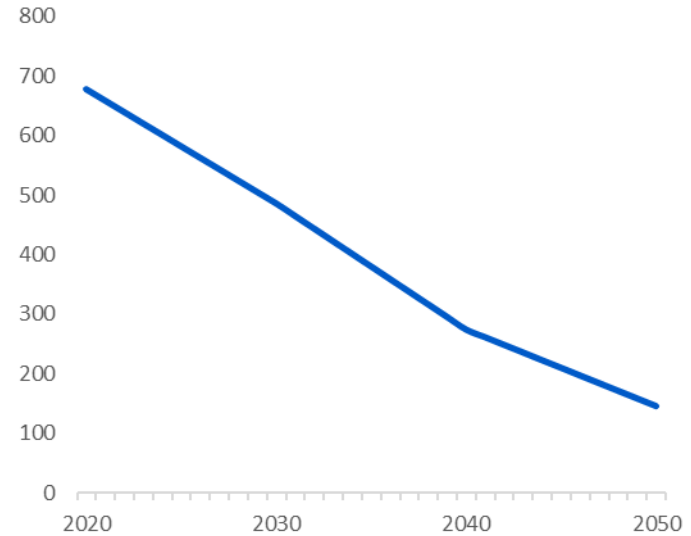
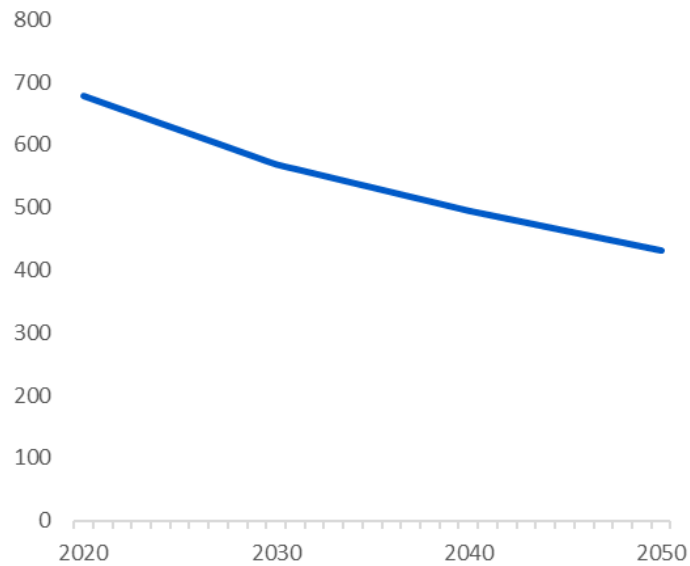
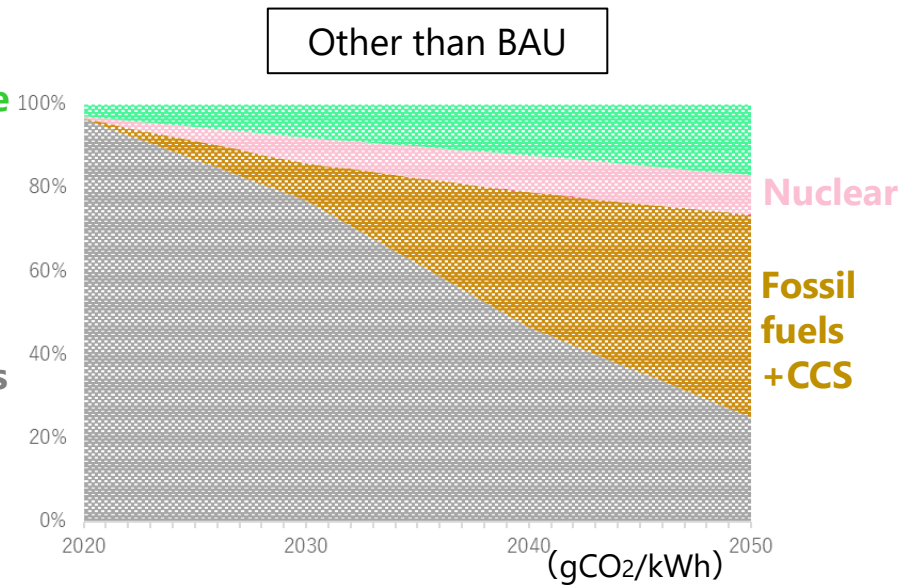
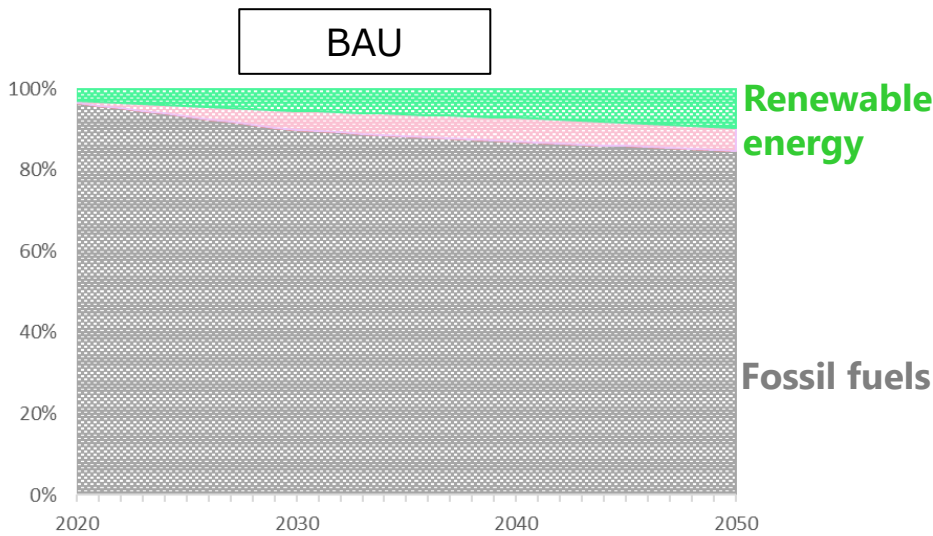


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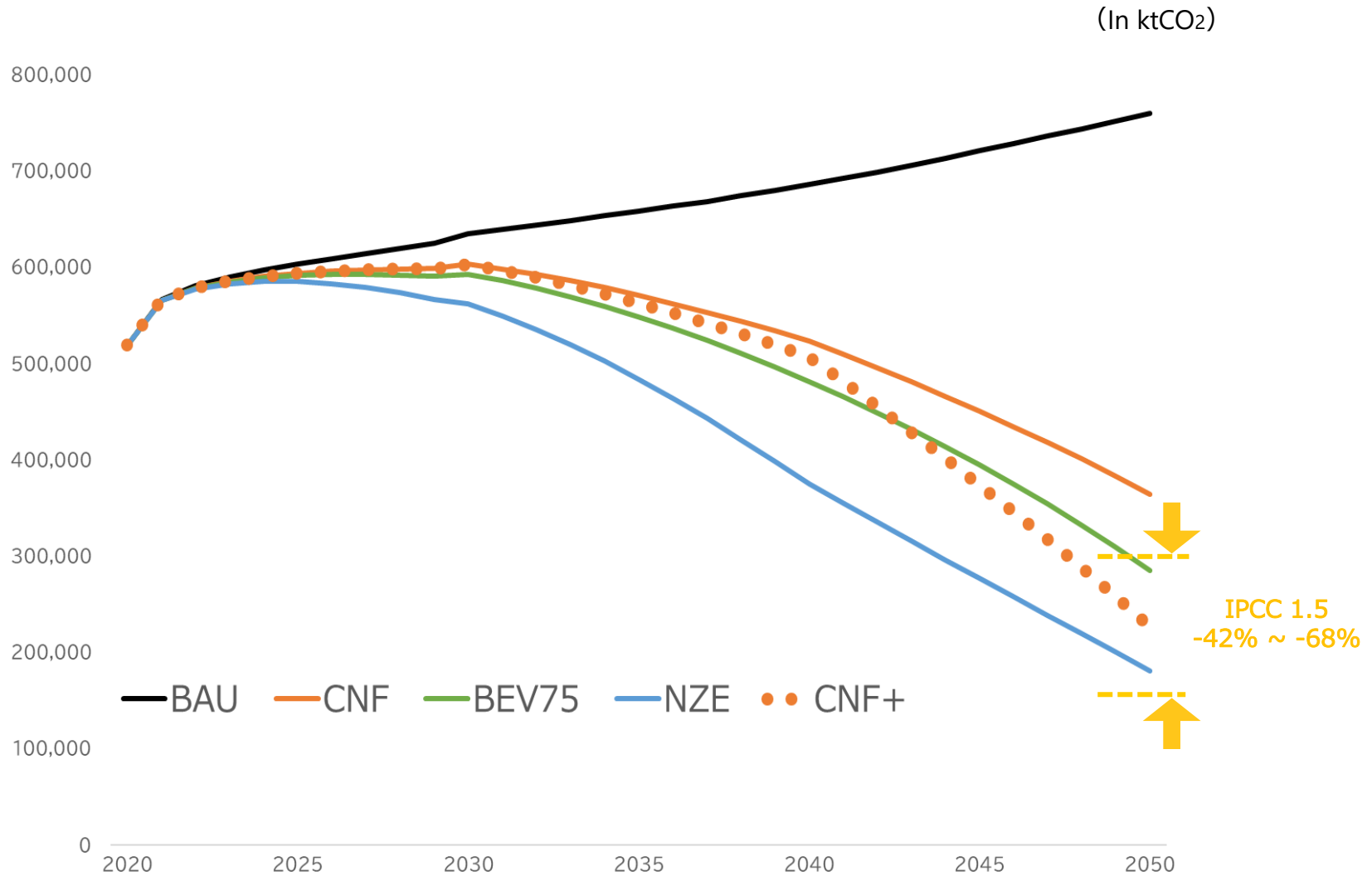


Energy Mix (Middle East)

(In %)



CO2 Emissions (Middle East)



CO₂ emission levels range between about -30% to -65% compared to 2020.

(CO₂ emissions in two scenarios are within or lower than the IPCC 2050 1.5°C climate scenarios' -42% to -68% range.)