

Annex 9 – Africa

Trends in Africa @2050

Scenario		Trends in Africa	2050/2020 CO ₂ 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 80%. 	
CNF	Electrified vehicles	<ul style="list-style-type: none"> Share of electrified vehicles in new passenger car sales is approximately 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%. 	+25% approx. (In CNF+, -22% approx.)
	Fuel mix	<ul style="list-style-type: none"> Share of biofuels + electricity + hydrogen is more than 30%. CNF share represents approx. 22% of total fuel consumption in 2050. (In CNF+ scenario, CNF share increases to 52%.) 	
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%. 	-11% approx.
	Fuel mix	<ul style="list-style-type: none"> Share of biofuels + electricity + hydrogen is approx. 50%. CNF share represents approx. 18% 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%. 	-49% approx.
	Fuel mix	<ul style="list-style-type: none"> More than 70% is biofuels + electricity + hydrogen. (Assumption: Synthetic fuel = 0%.) Biofuel share = 4% of total fuel consumption in 2050. 	

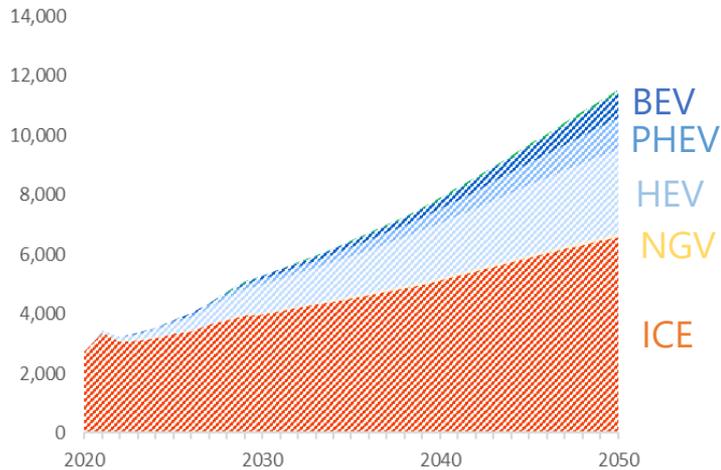
CO₂ emission levels range between about +25% to -49% compared to 2020.

(CO₂ emissions in two scenarios are within or lower than the IPCC 2050 2.0°C climate scenarios' -14% to -44% range.)

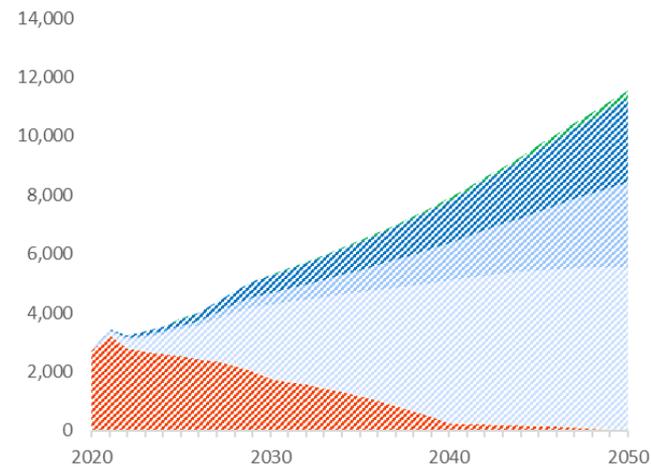
New Passenger Car Sales (Africa)

(x 1,000 units)

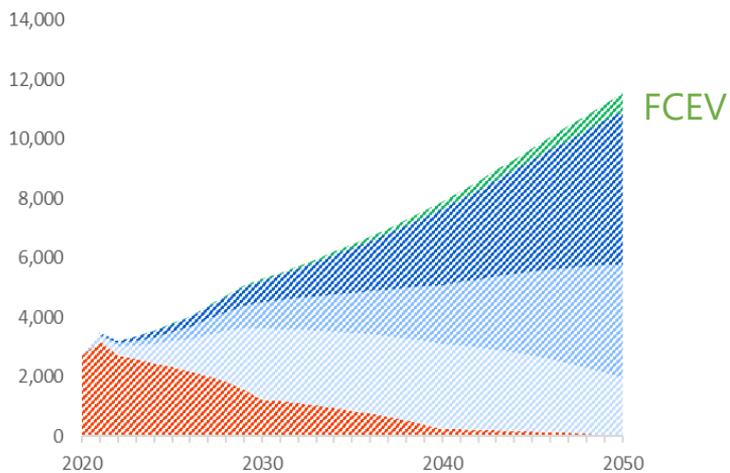
BAU



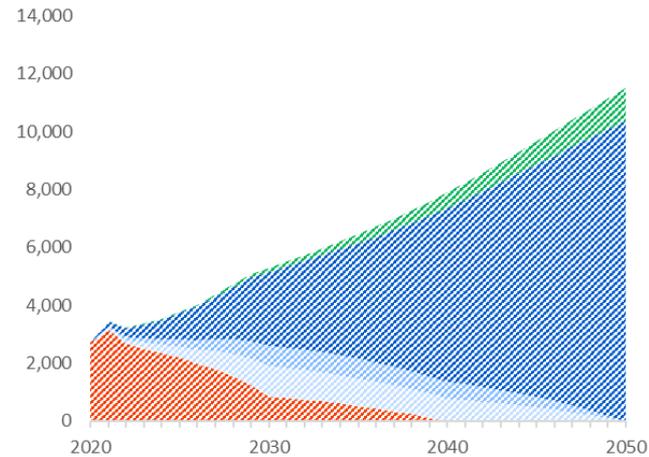
CNF



BEV75



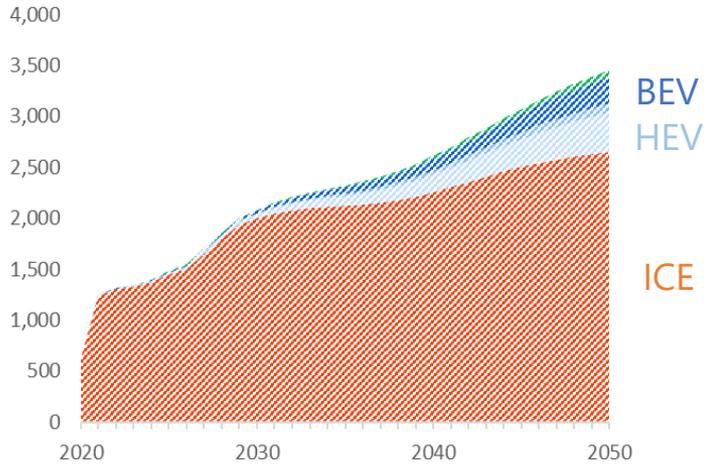
NZE



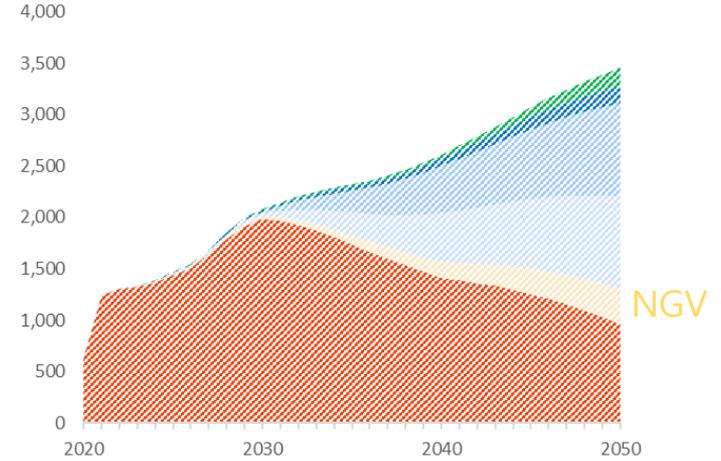
New Commercial Vehicle Sales (Africa)

(x 1,000 units)

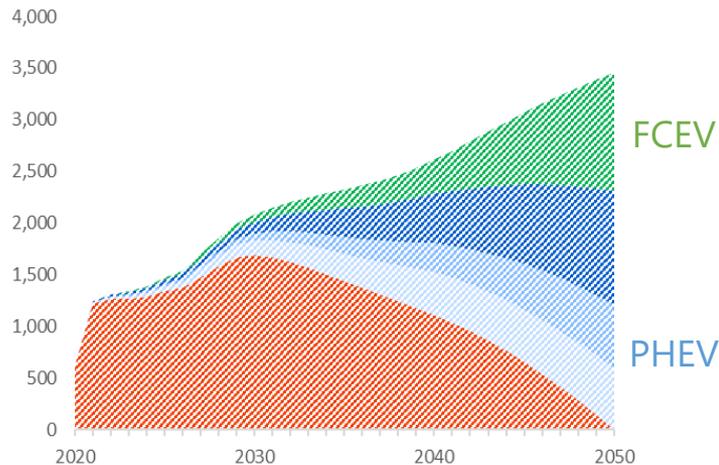
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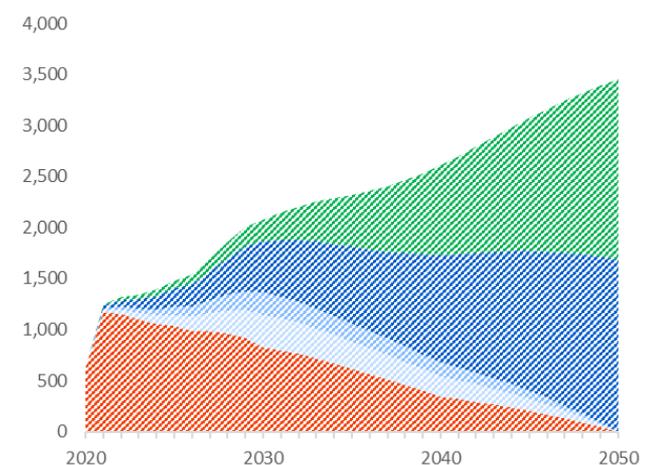
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BEV75



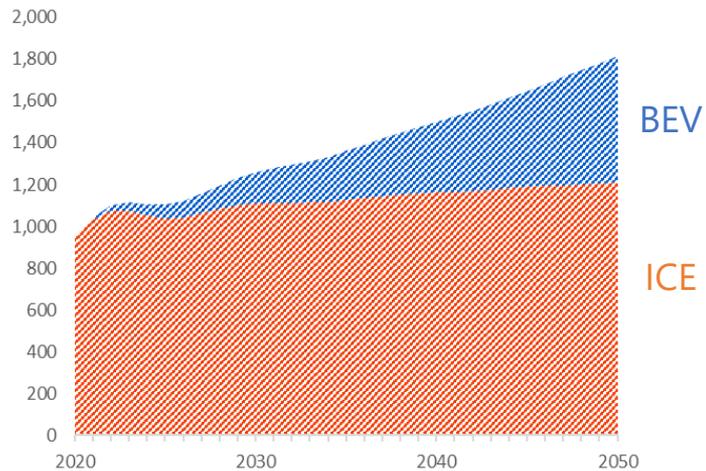
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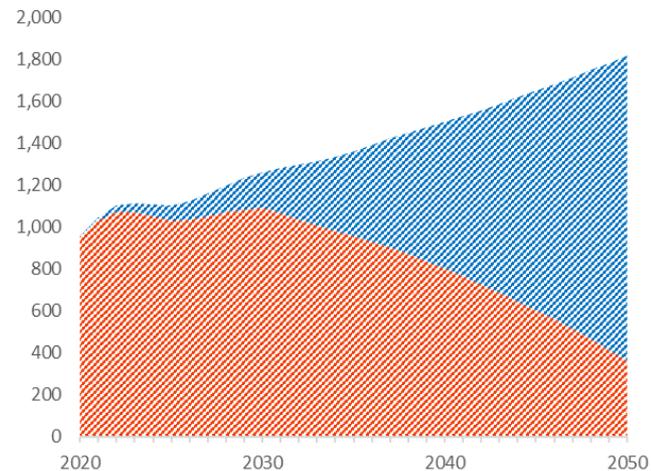
New Motorcycle Sales (Africa)

(x 1,000 units)

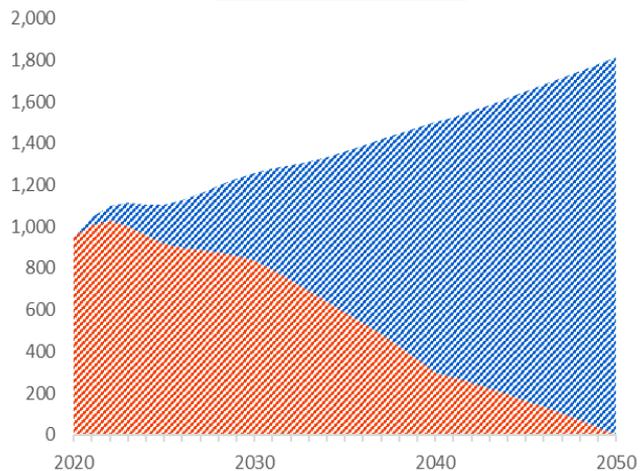
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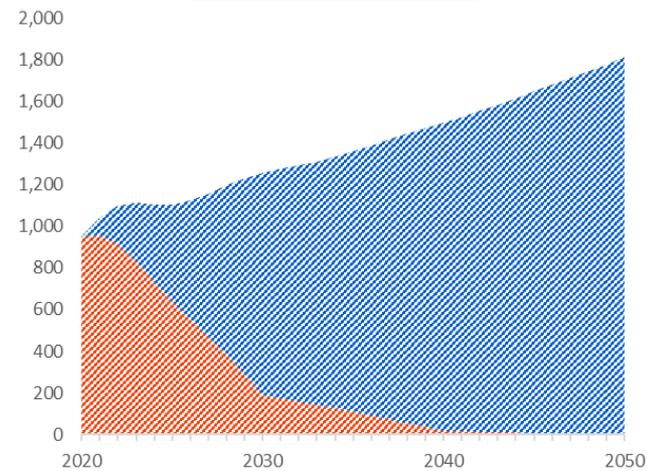
CNF



BEV75



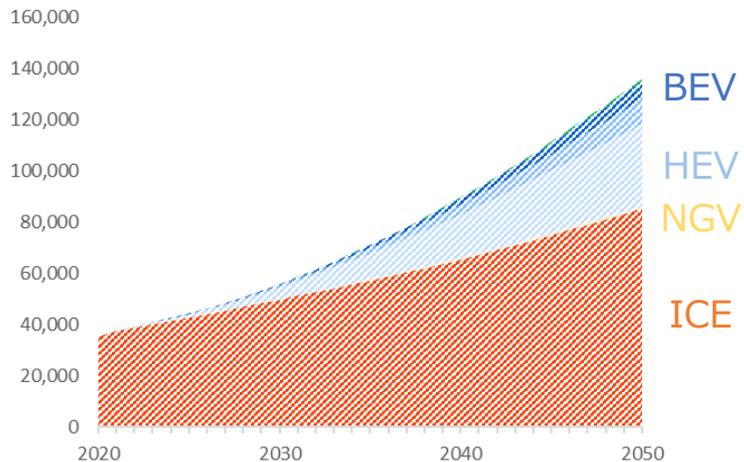
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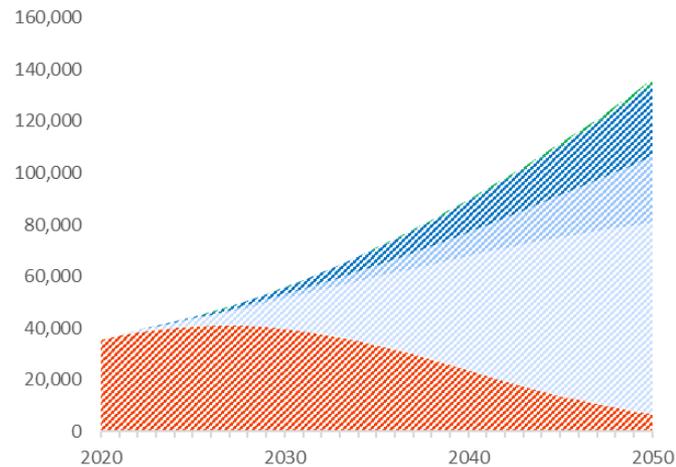
In-Use Passenger Car Fleet (Africa)

(x 1,000 units)

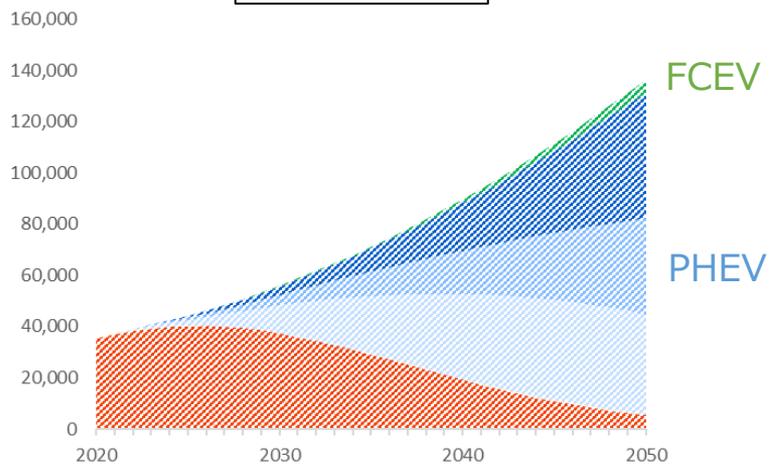
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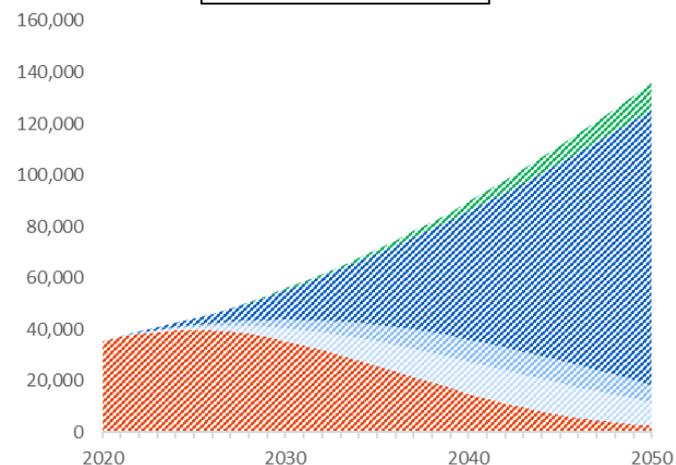
CNF



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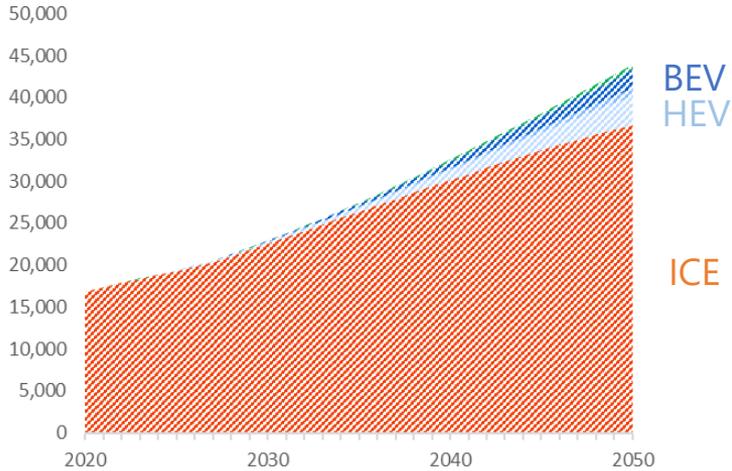
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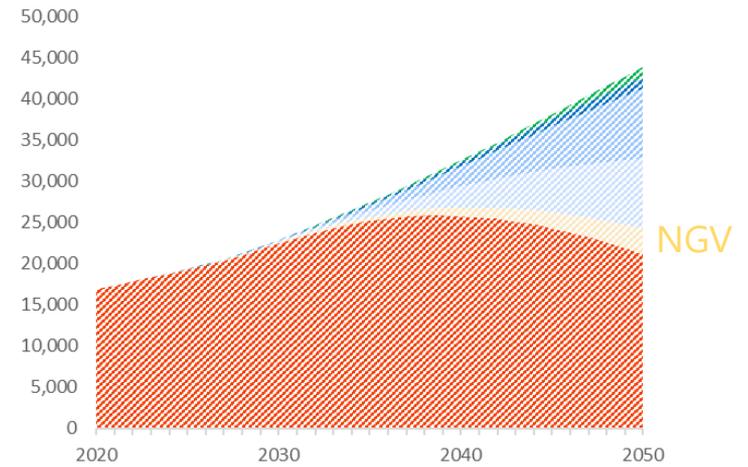
In-Use Commercial Vehicle Fleet (Africa)

(x 1,000 units)

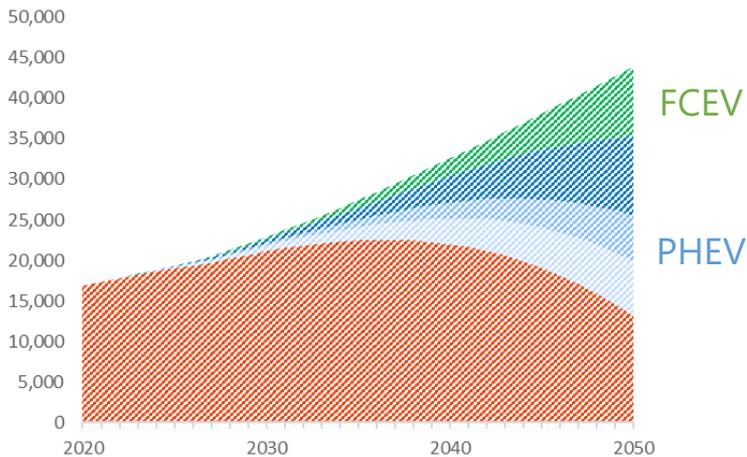
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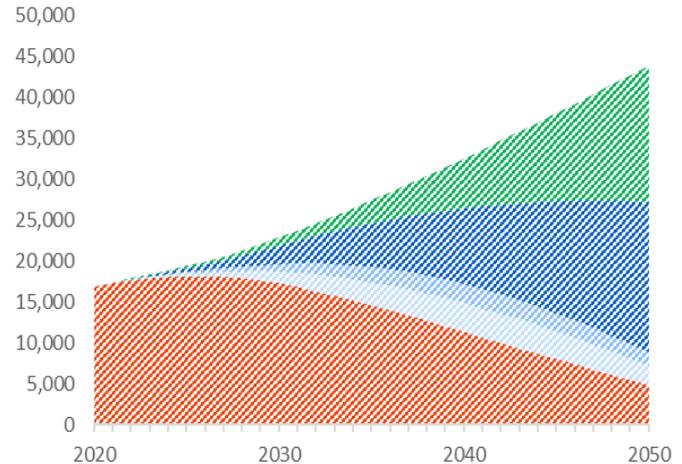
CNF



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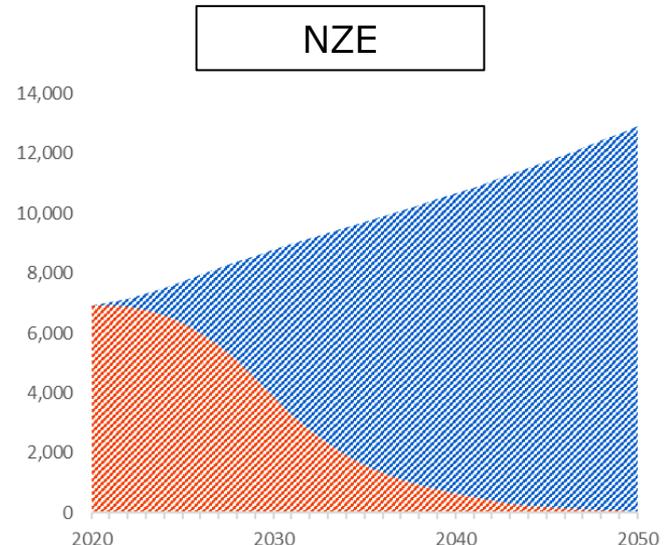
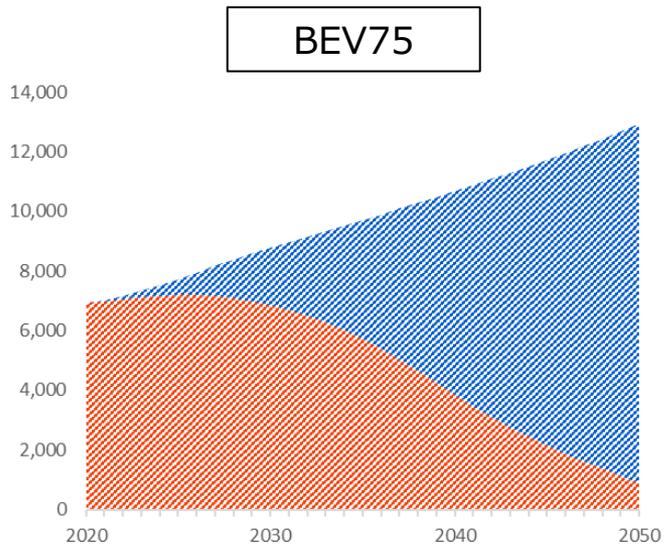
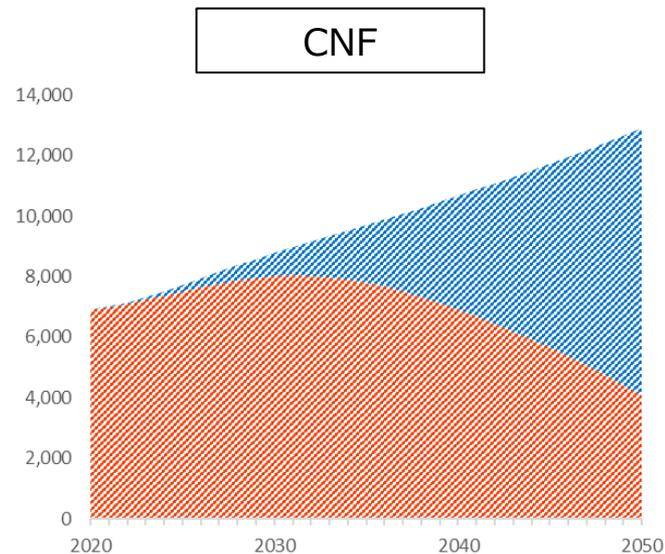
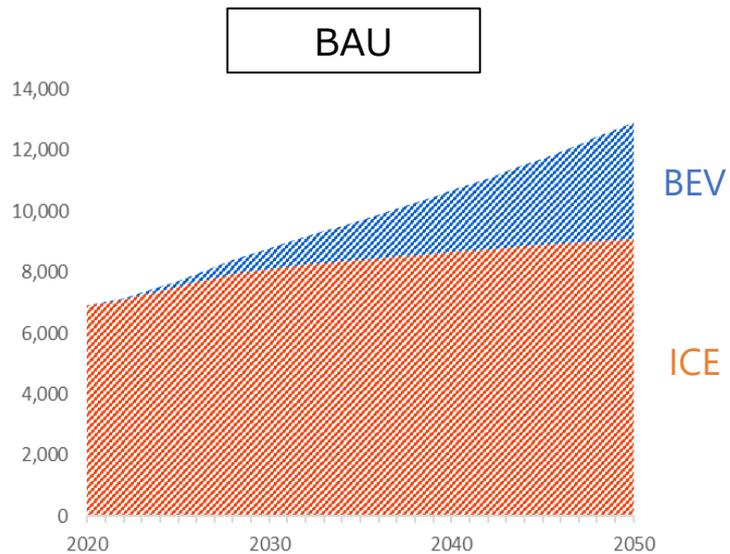


NZE



In-Use Motorcycle Fleet (Africa)

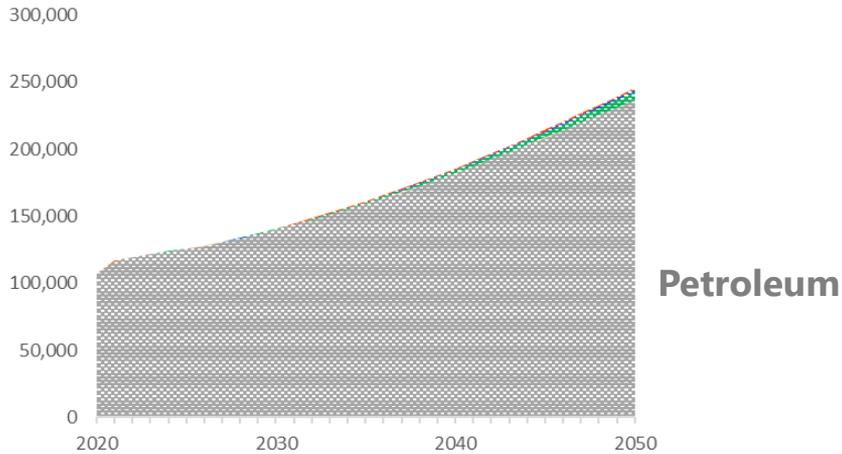
(x 1,000 units)



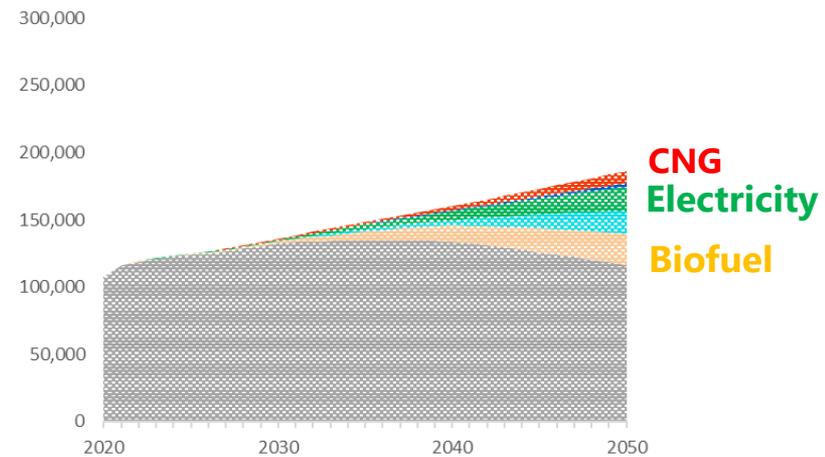
Automotive Fuel Mix (Africa)

(In ktoe)

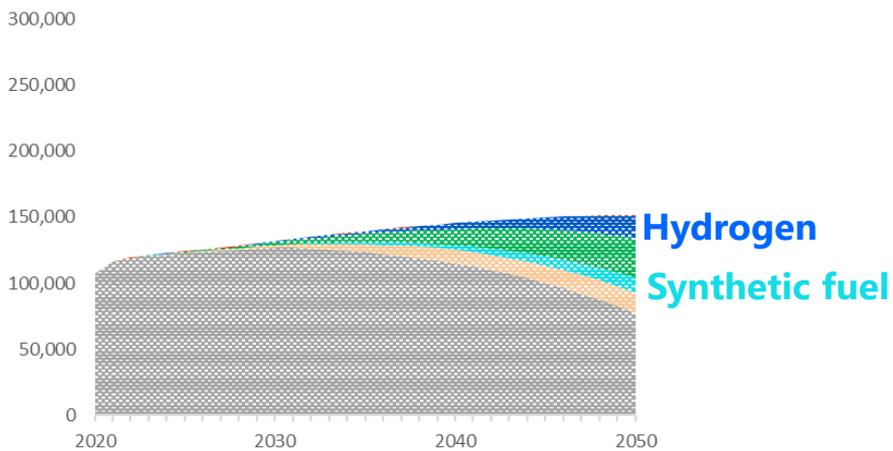
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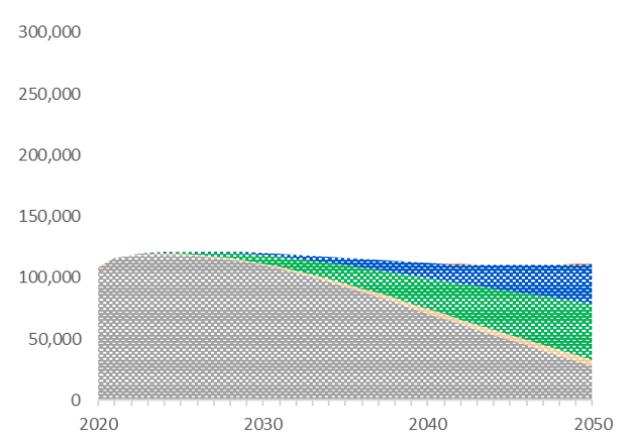
CNF



BEV75



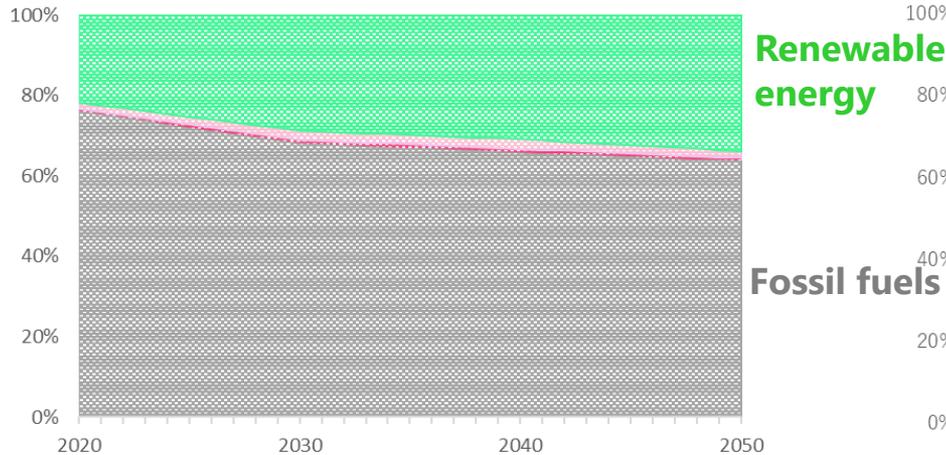
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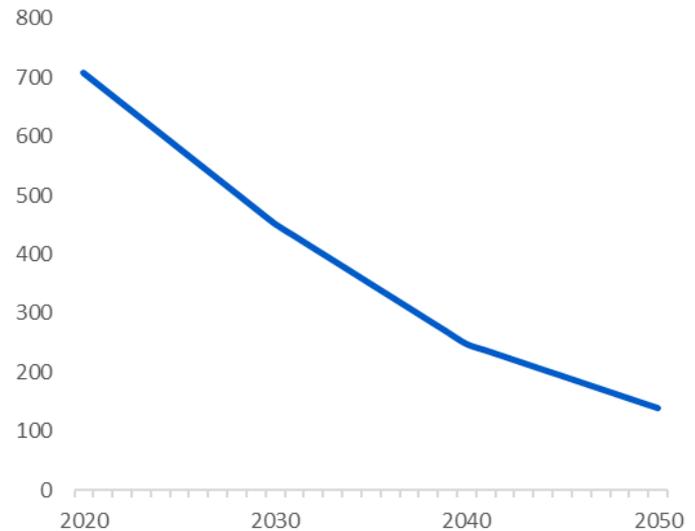
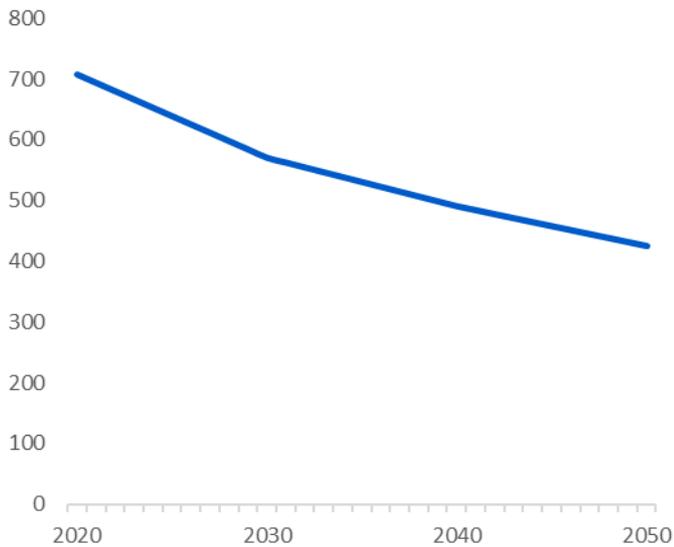
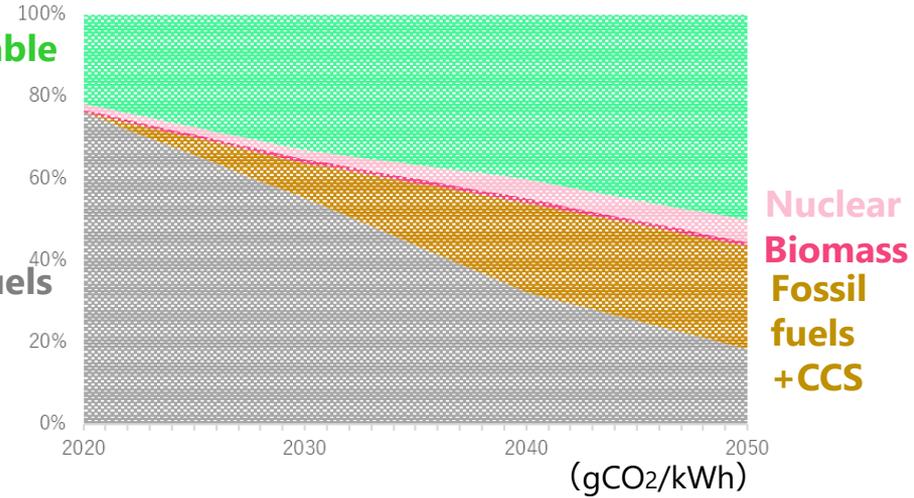
Energy Mix (Africa)

(In %)

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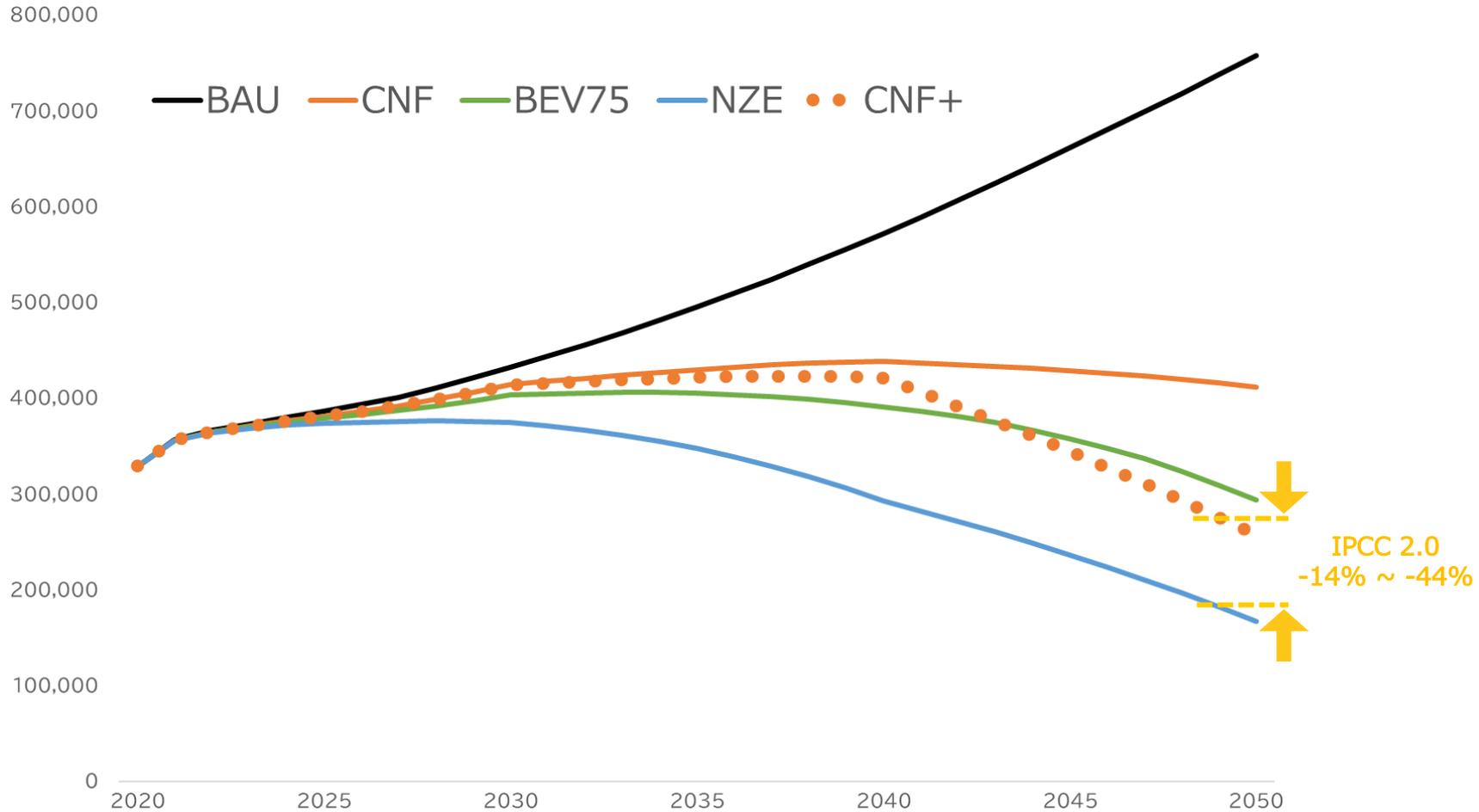


Other than BAU



CO2 Emissions (Africa)

(In ktCO₂)



CO₂ emission levels range between about +25% to -49% compared to 2020.

(CO₂ emissions in two scenarios are within or lower than the IPCC 2050 2.0°C climate scenarios' -14% to -44% range.)