

## Annex 4 - China

# Trends in China @2050

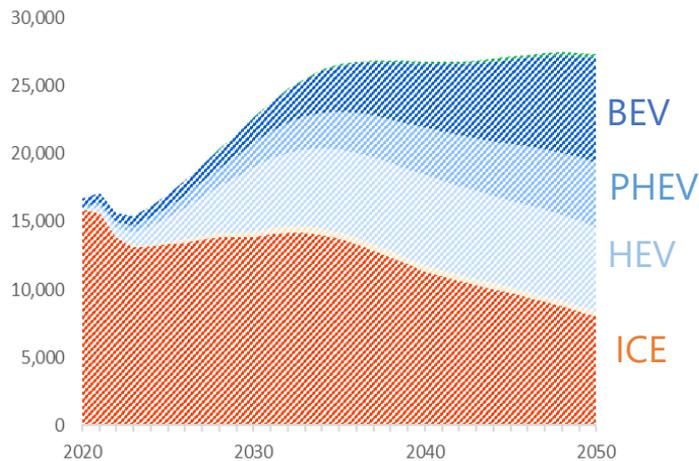
Scenario	Trends in China		2050/2020 CO <sub>2</sub> emissions
All	Market	<ul style="list-style-type: none"> <li>Passenger cars and commercial vehicles: Significant increases in both new vehicle sales and in-use fleets; for motorcycles, significant declines in new vehicle sales and in-use fleet.</li> </ul>	
	Energy mix	<ul style="list-style-type: none"> <li>Share of clean energy is approximately 80%.</li> </ul>	
CNF	Electrified vehicles	<ul style="list-style-type: none"> <li>Share of electrified vehicles in new vehicle sales for all vehicle types is almost 100%, with about 50% of new passenger cars being PHEVs.</li> <li>Share of BEVs/FCEVs in the in-use passenger car and commercial vehicle fleets is approximately 40%.</li> </ul>	-57% approx.
	Fuel mix	<ul style="list-style-type: none"> <li>More than 70% is CNF (synthetic fuels, biofuels) + electricity + hydrogen.</li> <li>CNF share represents approx. 30% of total fuel consumption in 2020.</li> </ul>	
BEV75	Electrified vehicles	<ul style="list-style-type: none"> <li>Share of BEVs/FCEVs in new vehicle sales for all vehicle types is 100%.</li> <li>Share of BEVs/FCEVs in the in-use passenger car and commercial vehicle fleets is approximately 70%.</li> </ul>	-61% approx.
	Fuel mix	<ul style="list-style-type: none"> <li>More than 80% is CNF (synthetic fuels, biofuels) + electricity + hydrogen.</li> <li>CNF share = 20% approx. of total fuel consumption in 2020.</li> </ul>	
NZE	Electrified vehicles	<ul style="list-style-type: none"> <li>Share of BEVs/FCEVs in new vehicle sales for all vehicle types is 100%.</li> <li>Share of BEVs/FCEVs in the in-use passenger car and commercial vehicle fleets is approximately 80%.</li> </ul>	-59% approx.
	Fuel mix	<ul style="list-style-type: none"> <li>About 80% is biofuels + electricity + hydrogen. (Assumption: Synthetic fuels = 0%.)</li> <li>Biofuel share = approx. 6% of total fuel consumption in 2020.</li> </ul>	

CO<sub>2</sub> emissions fall by about 57% to about 61% compared to 2020.  
 (CO<sub>2</sub> emissions are within the IPCC 2050 1.5°C climate scenarios' -42% to -68% range.)

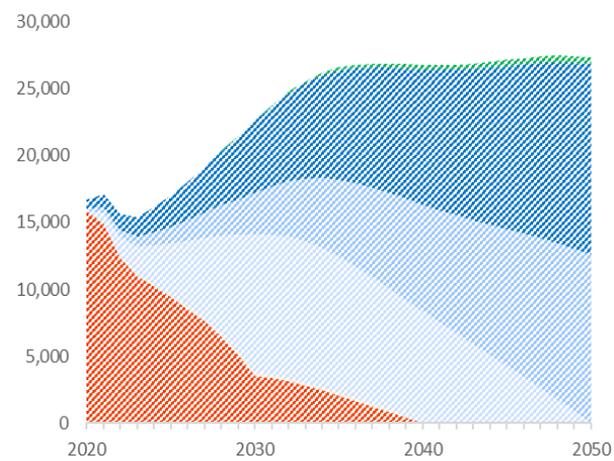
# New Passenger Car Sales (China)

(x 1,000 units)

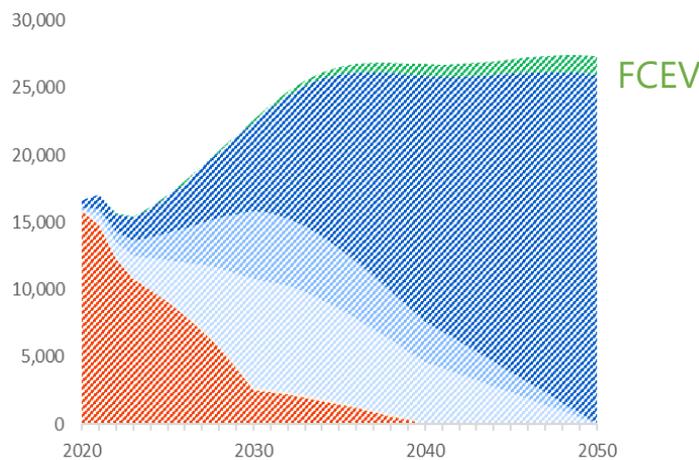
BAU



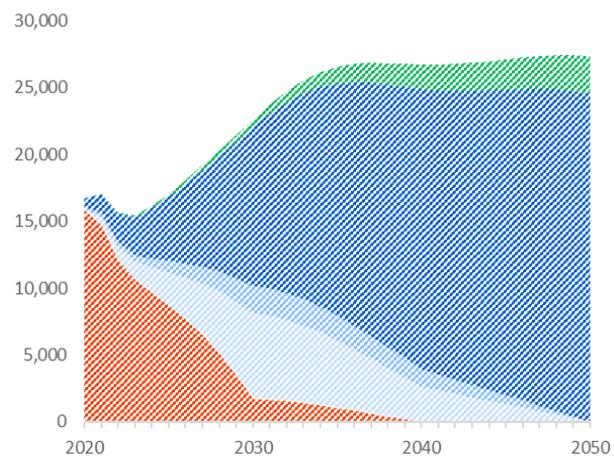
CNF



BEV75



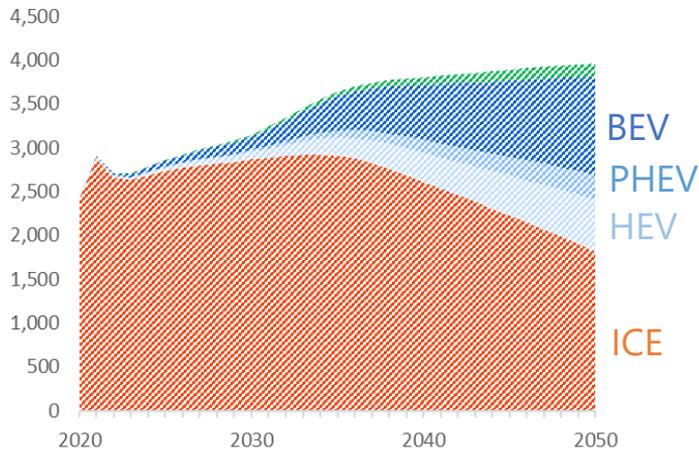
NZE



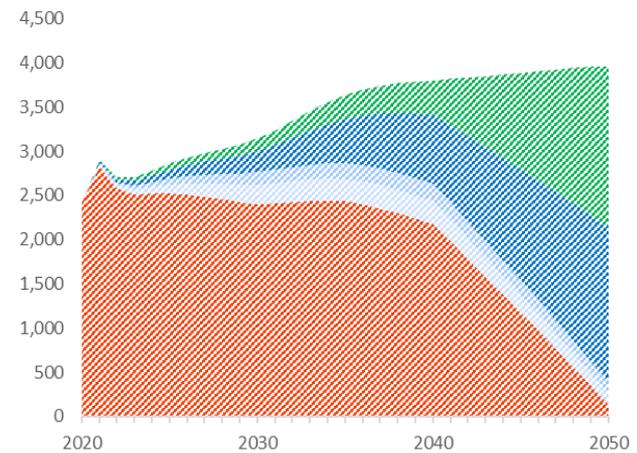
# New Commercial Vehicle Sales (China)

(x 1,000 units)

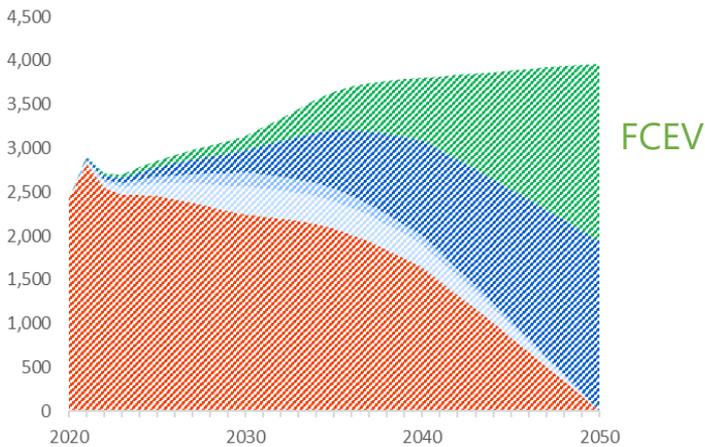
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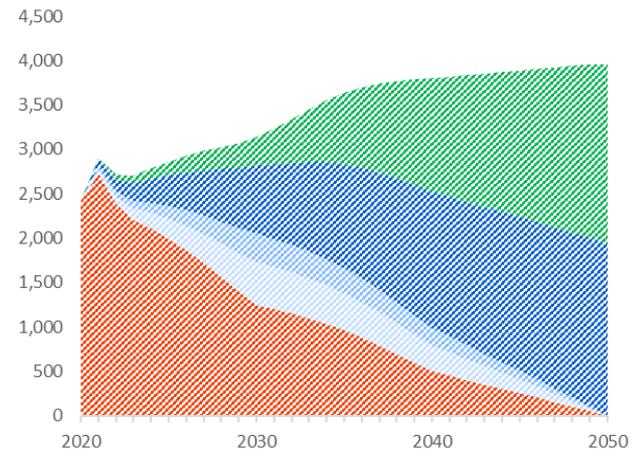
CNF



BEV75



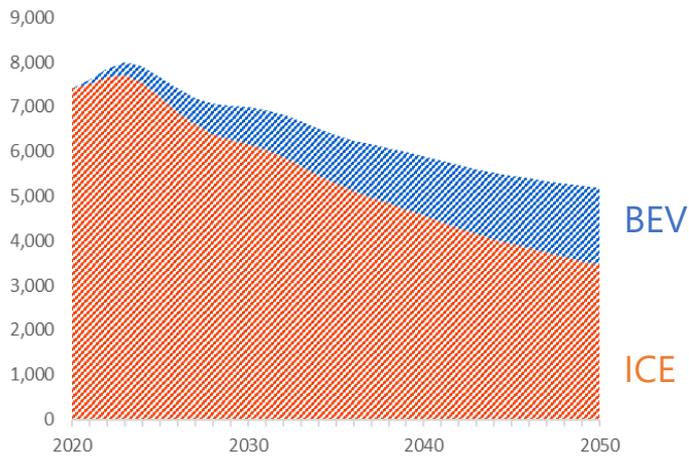
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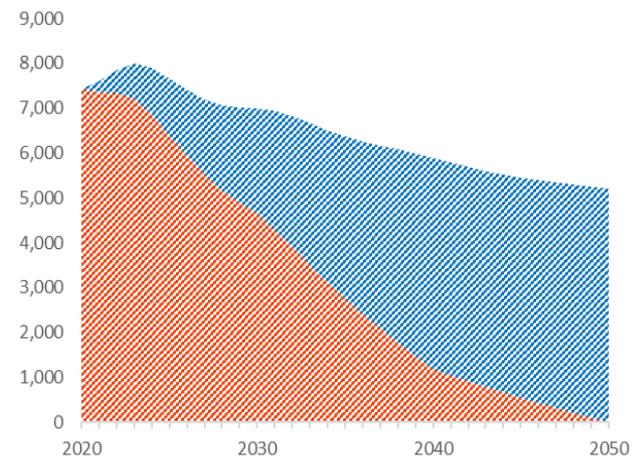
# New Motorcycle Sales (China)

(x 1,000 units)

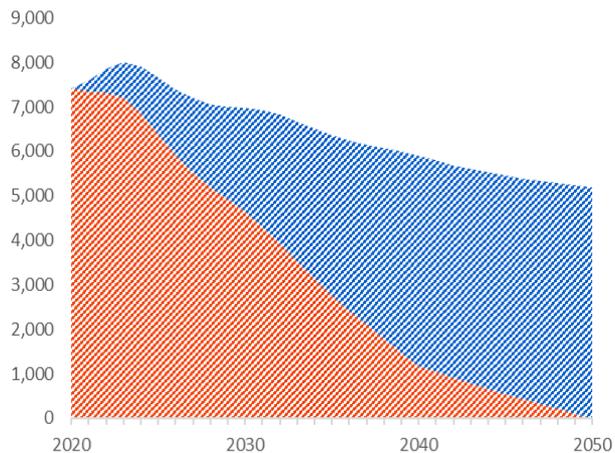
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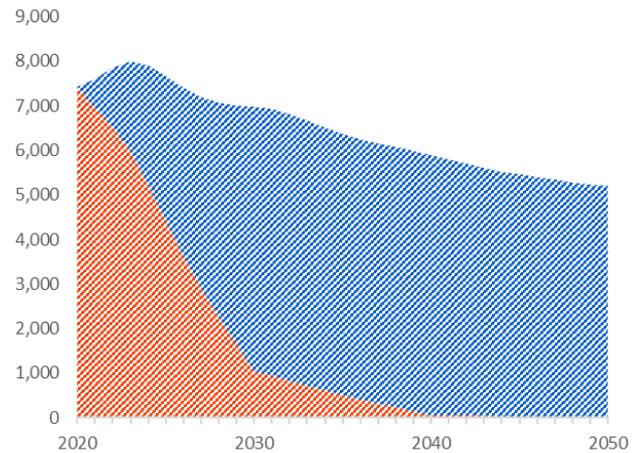
CNF



BEV75



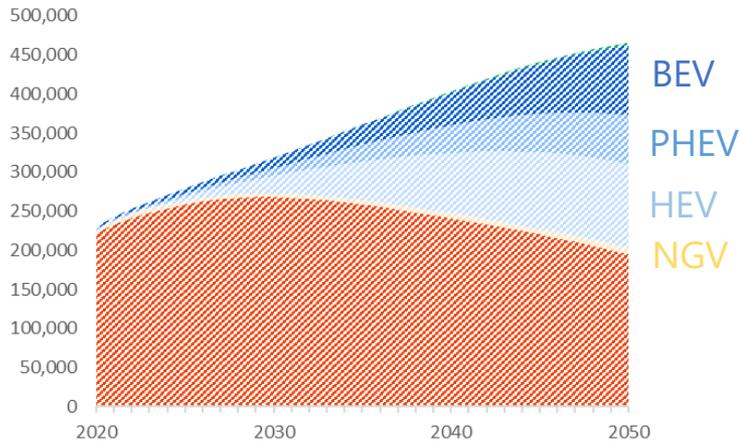
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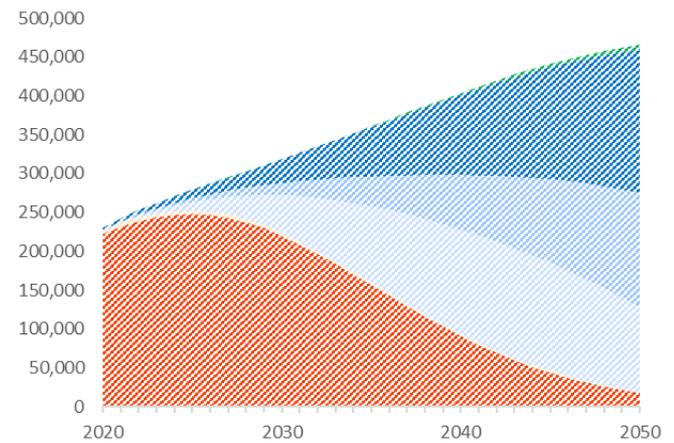
# In-Use Passenger Car Fleet (China)

(x 1,000 units)

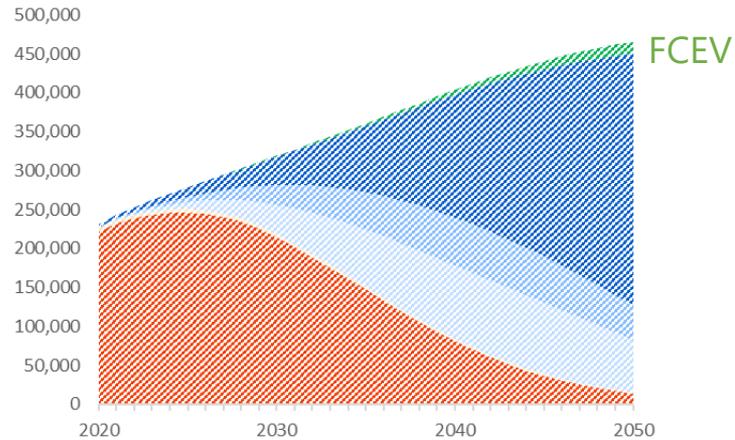
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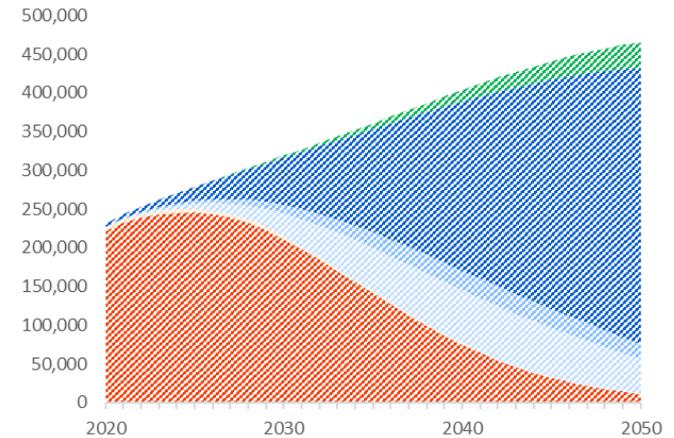
CNF



BEV75



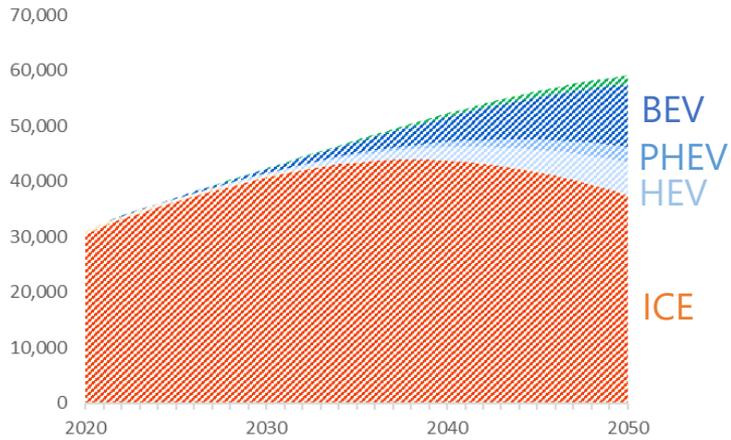
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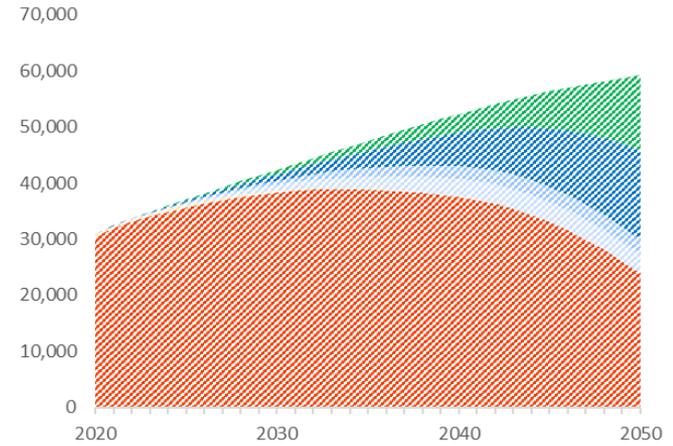
# In-Use Commercial Vehicle Fleet (China)

(x 1,000 units)

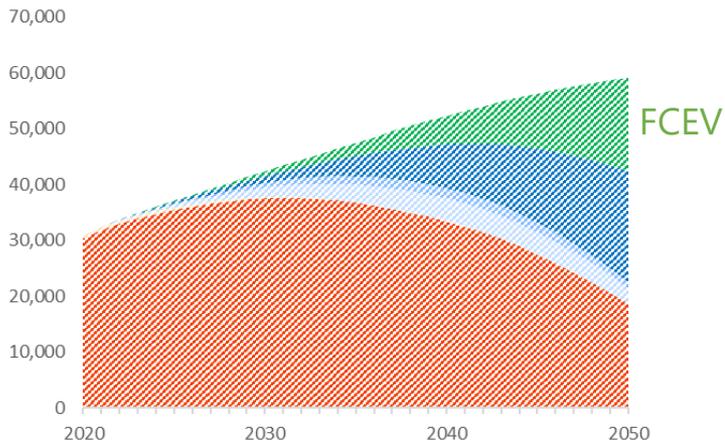
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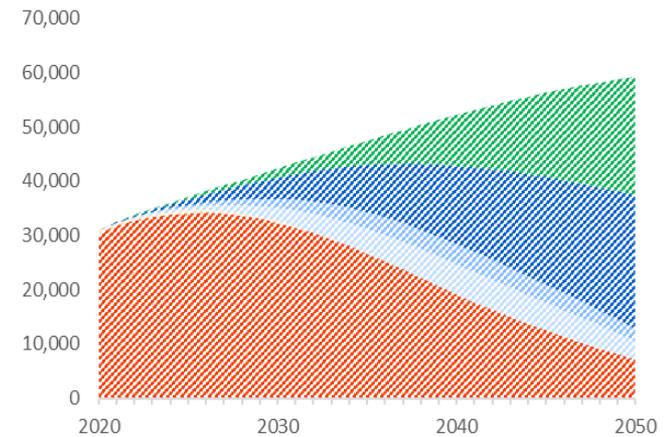
CNF



BEV75



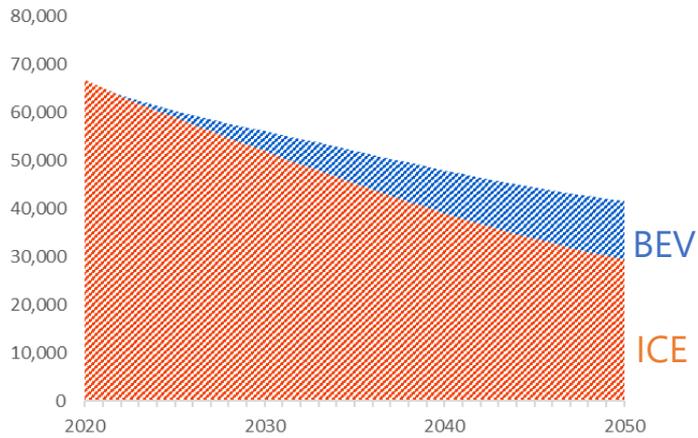
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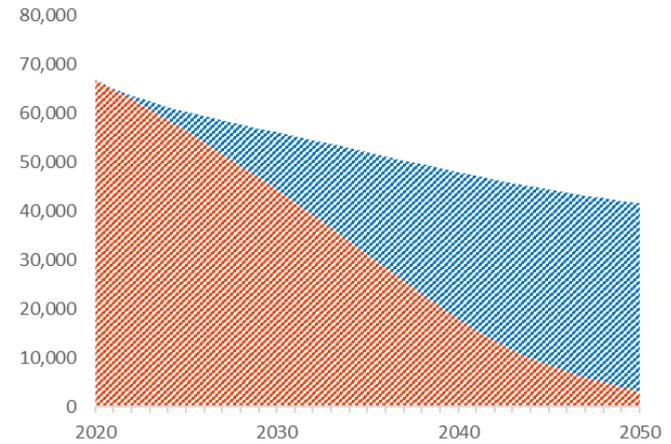
# In-Use Motorcycle Fleet (China)

(x 1,000 units)

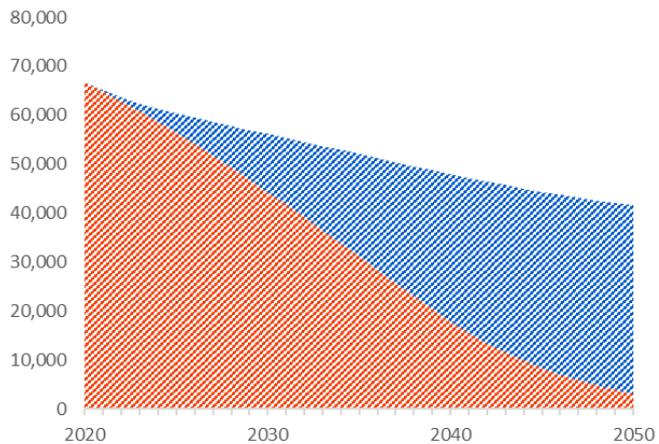
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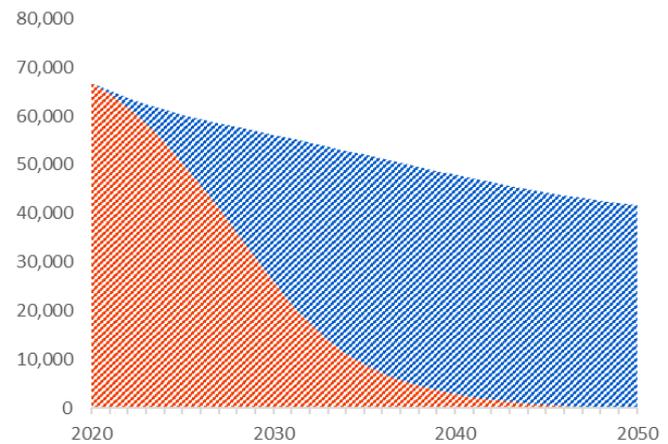
CNF



BEV75



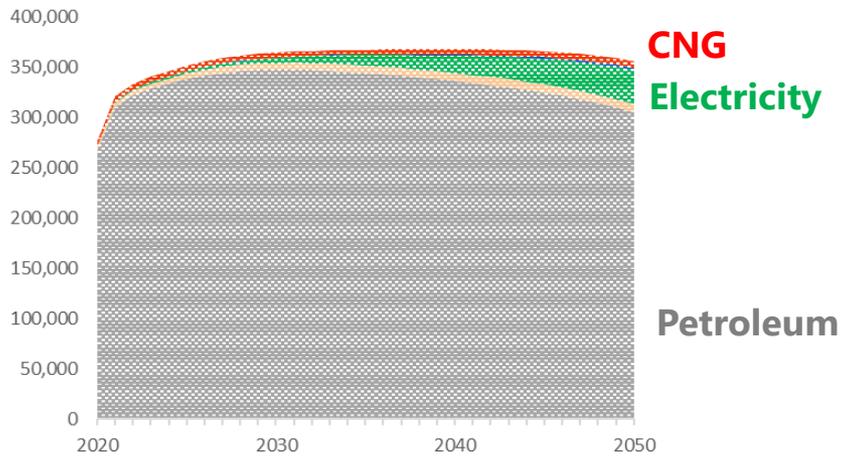
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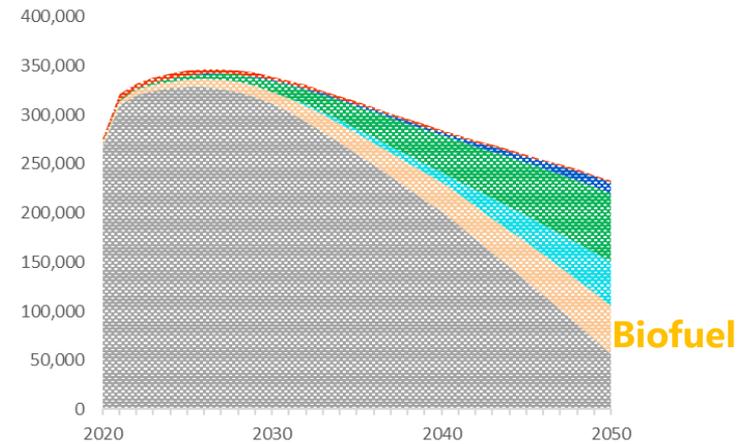
# Automotive Fuel Mix (China)

(In ktoe)

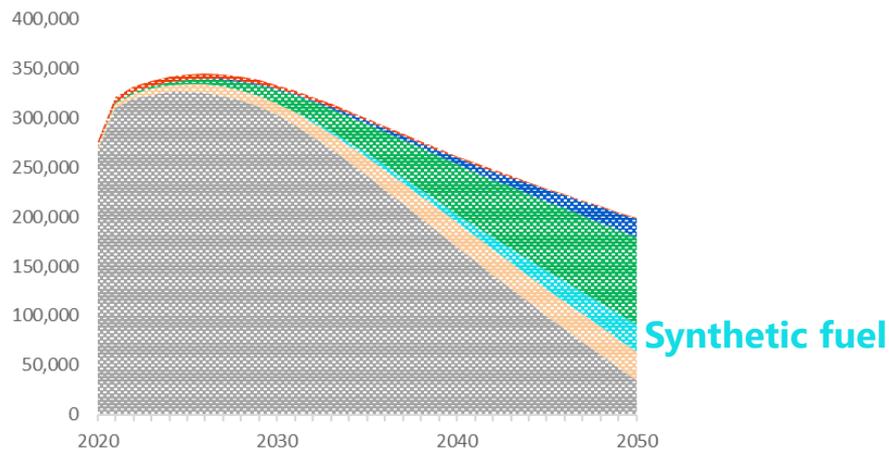
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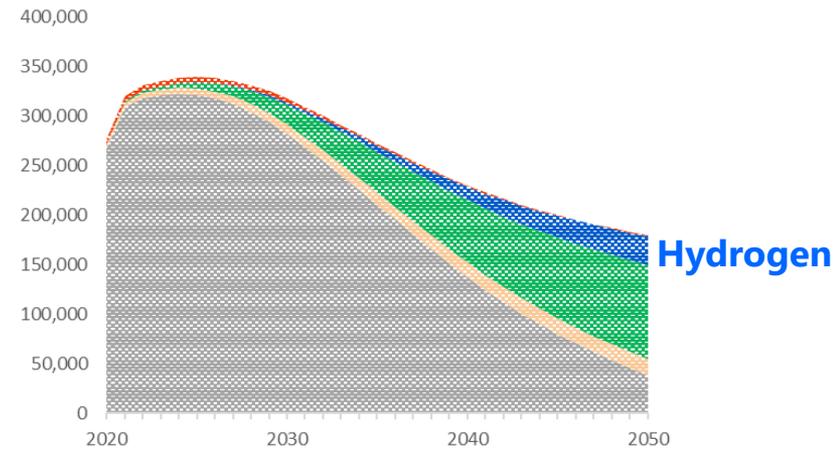
CNF



BEV75



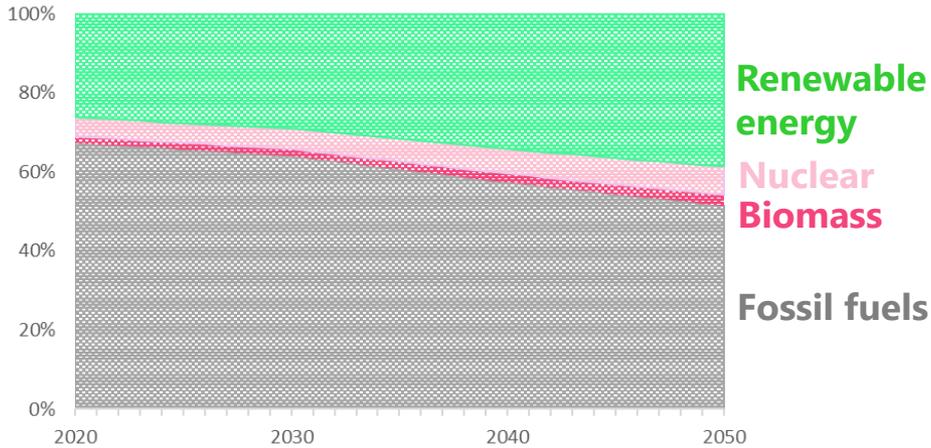
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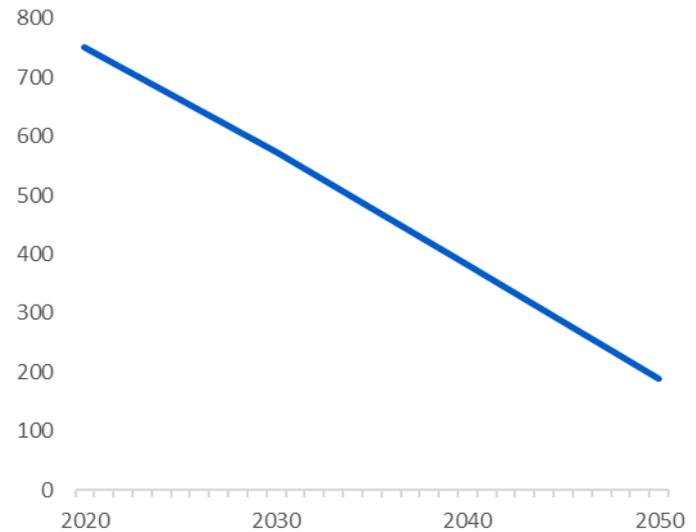
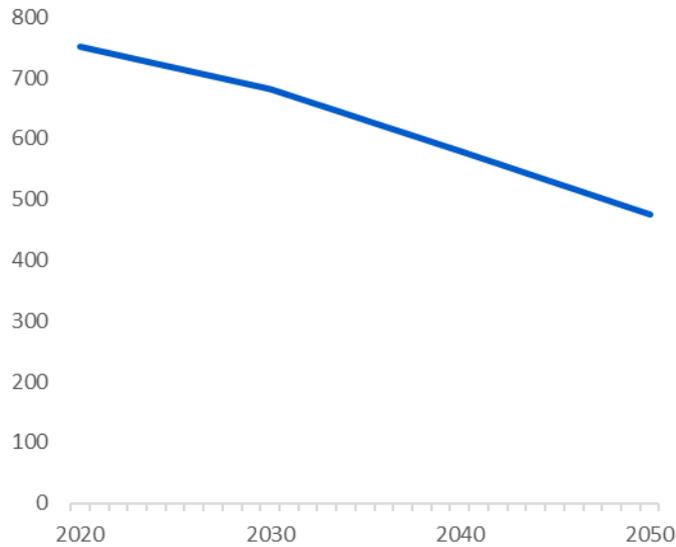
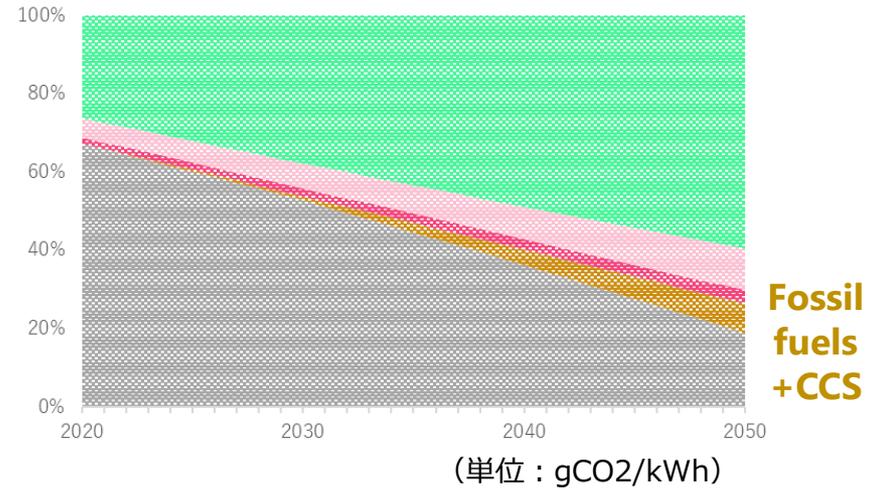
# Energy Mix (China)

(In %)

BAU

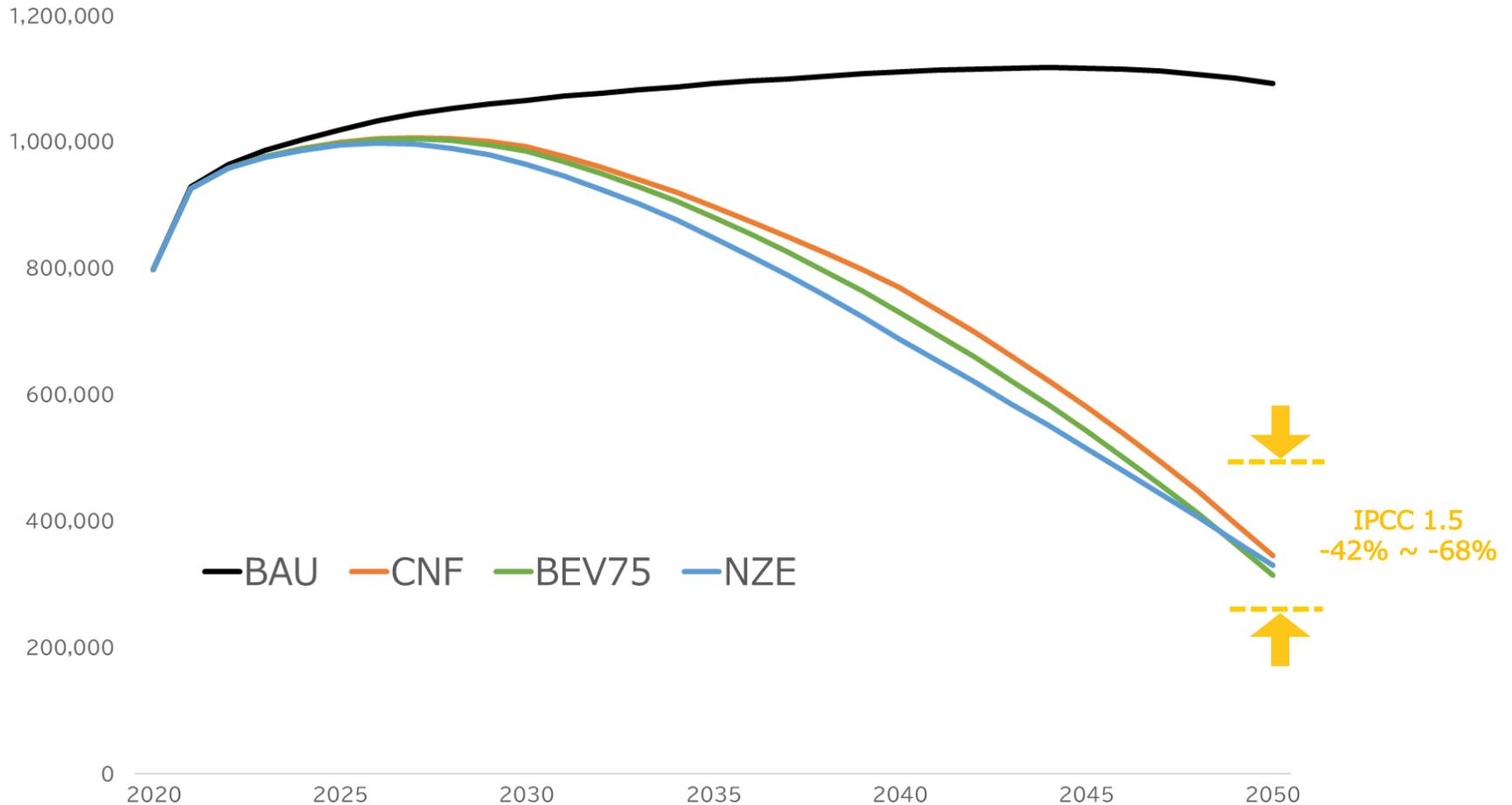


Other than BAU



# CO2 Emissions (China)

(In ktCO<sub>2</sub>)



CO<sub>2</sub> emissions fall by about 57% to about 61% compared to 2020.  
(CO<sub>2</sub> emissions are within the IPCC 2050 1.5°C climate scenarios' -42% to -68% range.)