



Module 4

Transport and Energy

Section 4.1

Transport Energy Sources

FIGURE 1 Energy consumption in transport, by energy source, 2015, 2019 to 2021

Source: See endnote 11 for this section.

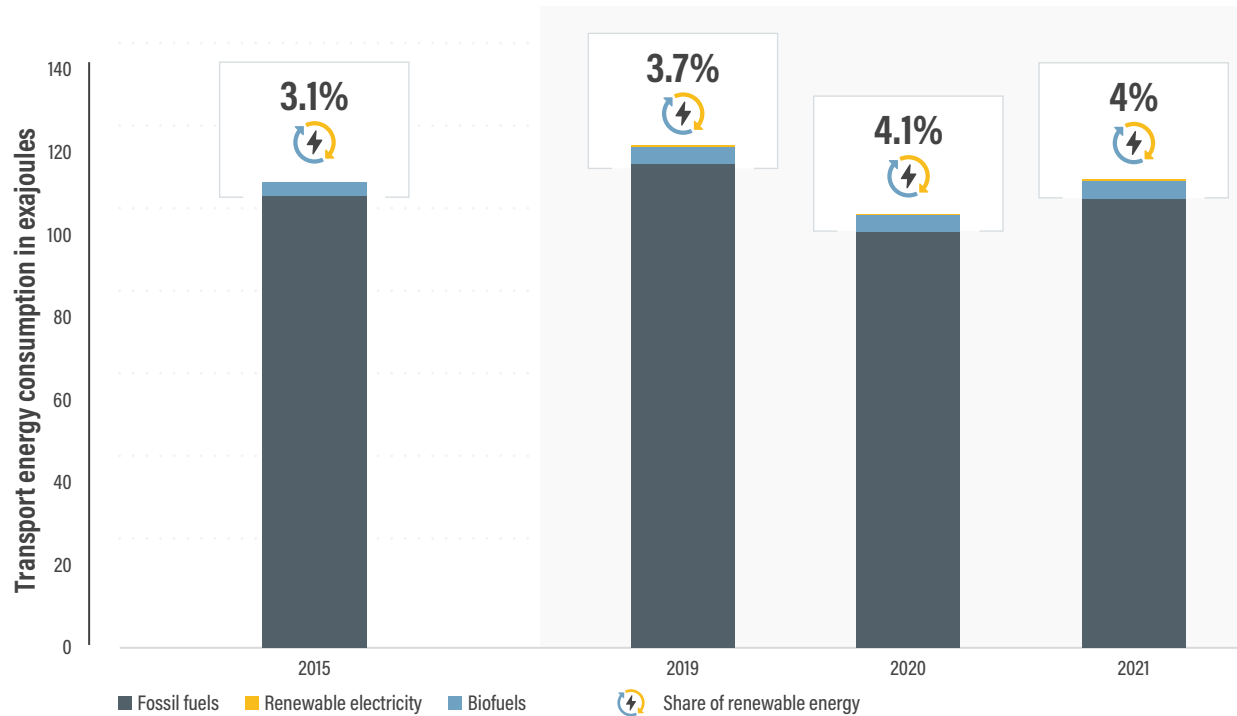


FIGURE 2

Specific fuel consumption of cars and vans versus sales shares of electric cars and sport utility vehicles, 2015-2021

Source: See endnote 18 for this section.

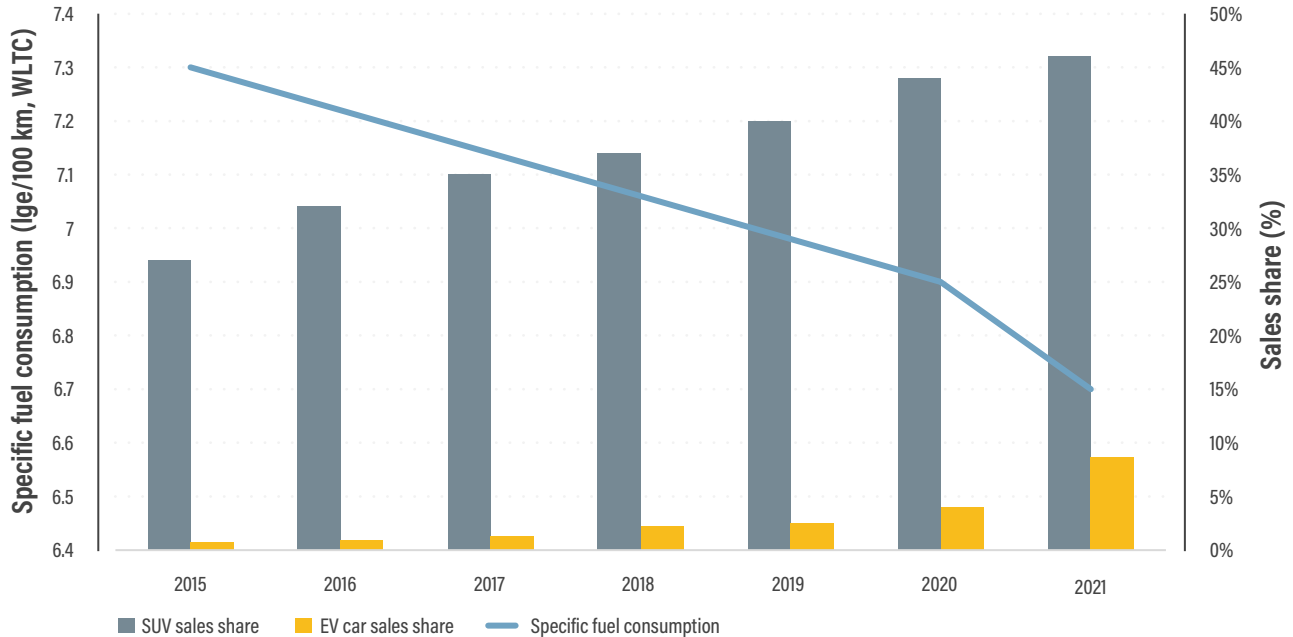


FIGURE 3 Shares of oil products used in road transport, by fuel type, 2000-2020

Source: See endnote 23 for this section.

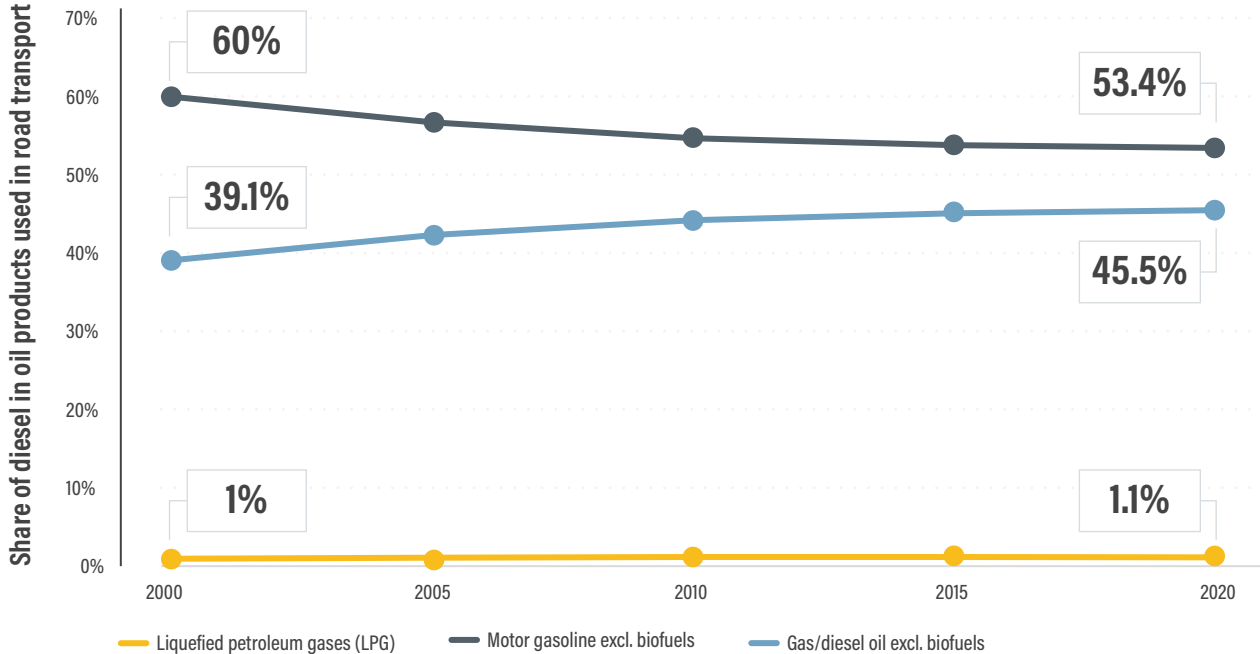


FIGURE 4 Biofuel production, by type, 2015-2021

Source: See endnote 31 for this section.

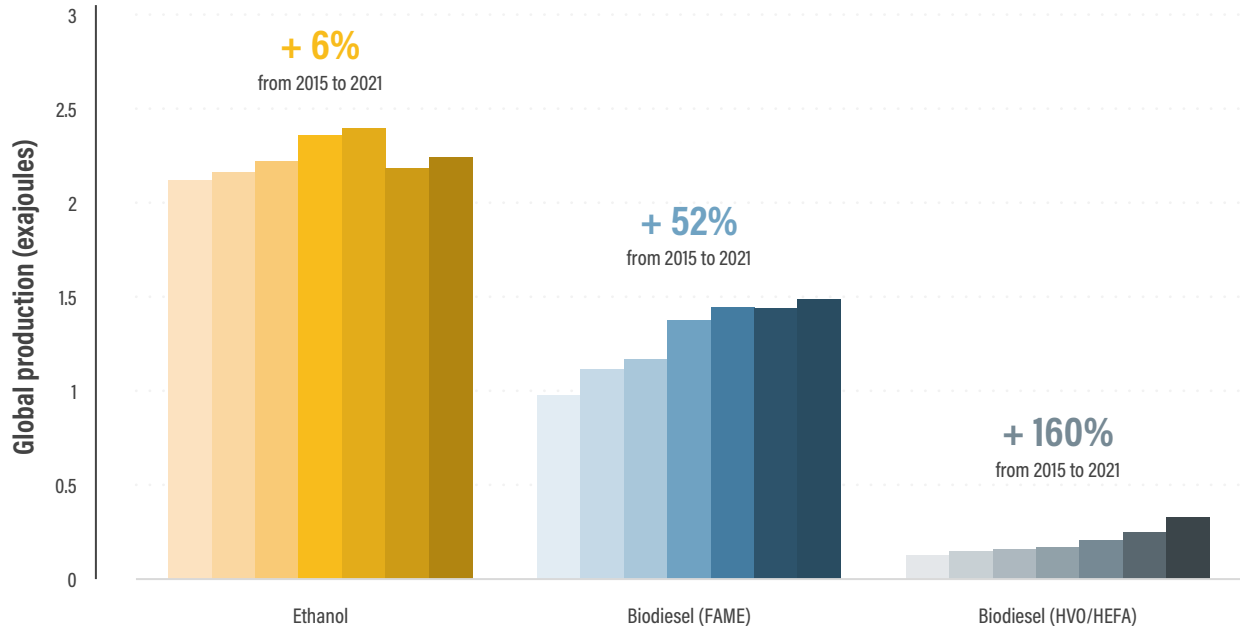


FIGURE 5**Electricity demand from electric vehicles in selected countries/regions, by vehicle type, 2015, 2020 and 2021**

Source: See endnote 40 for this section.

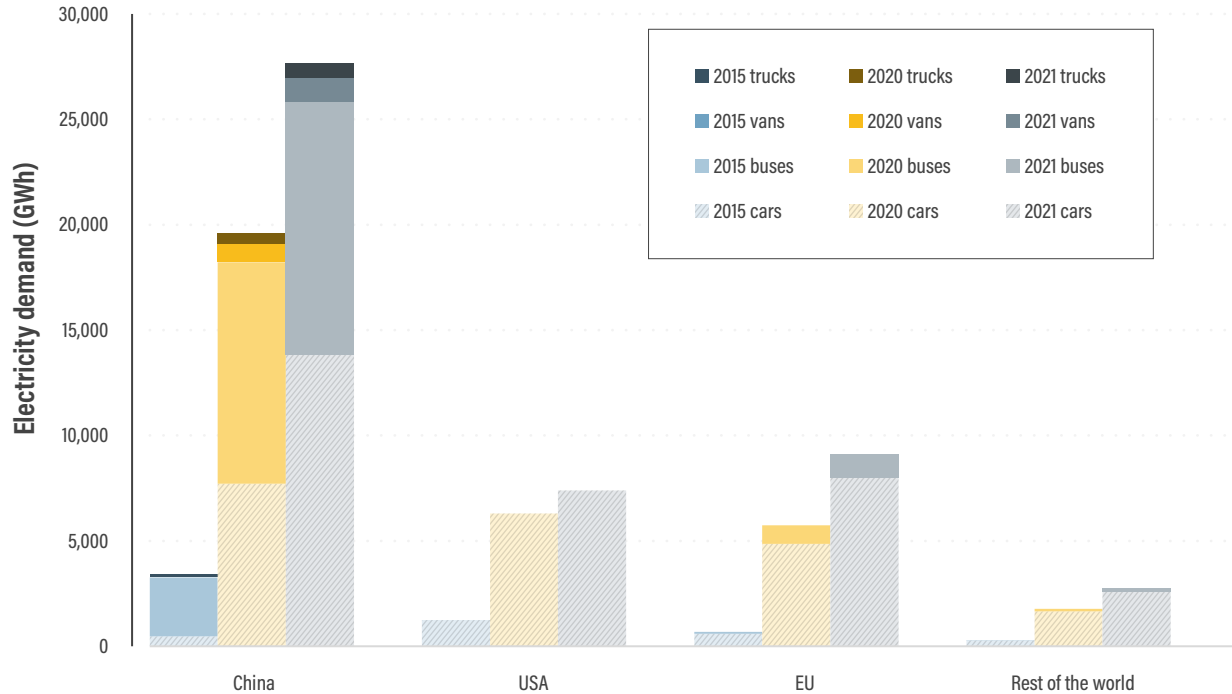


FIGURE 6 Evolution of CO₂ emissions from passenger cars in the EU-27, by contributing factor, 2000-2019

Source: See endnote 56 for this section.

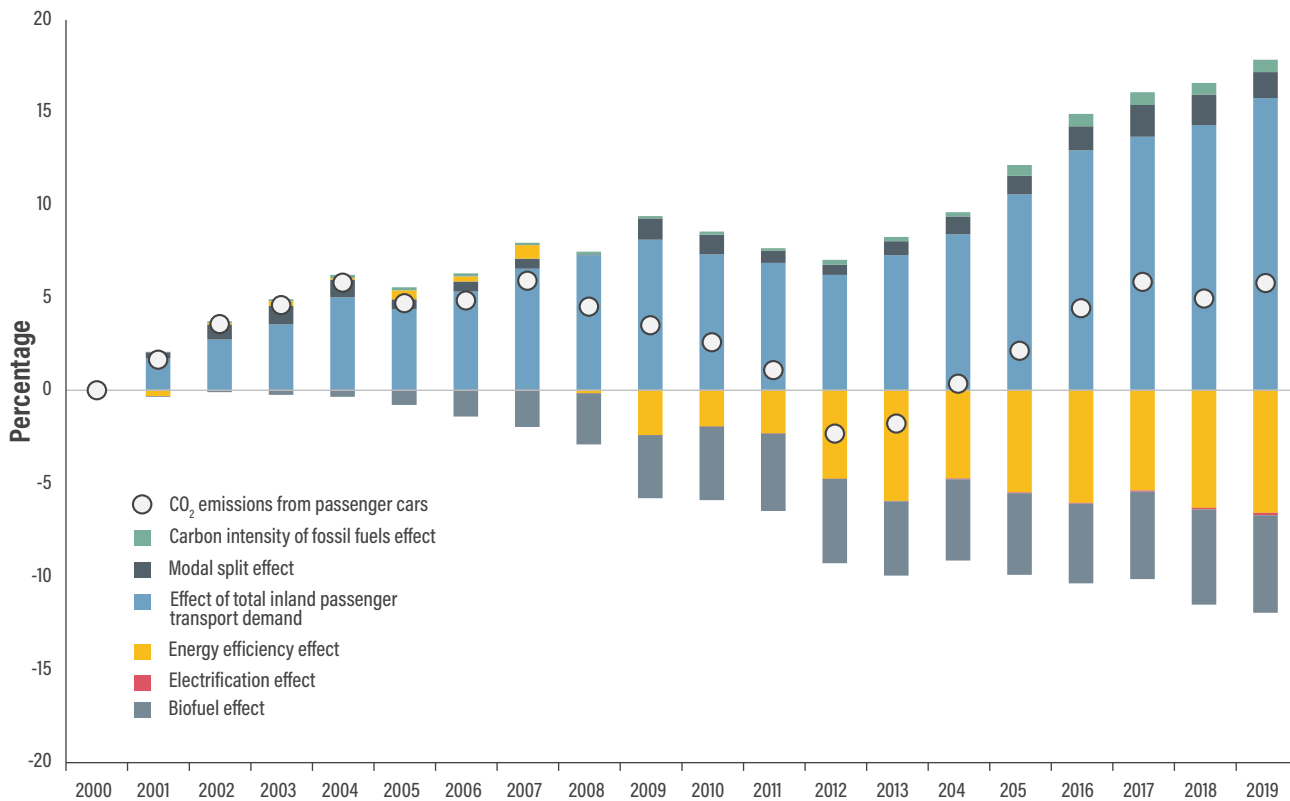
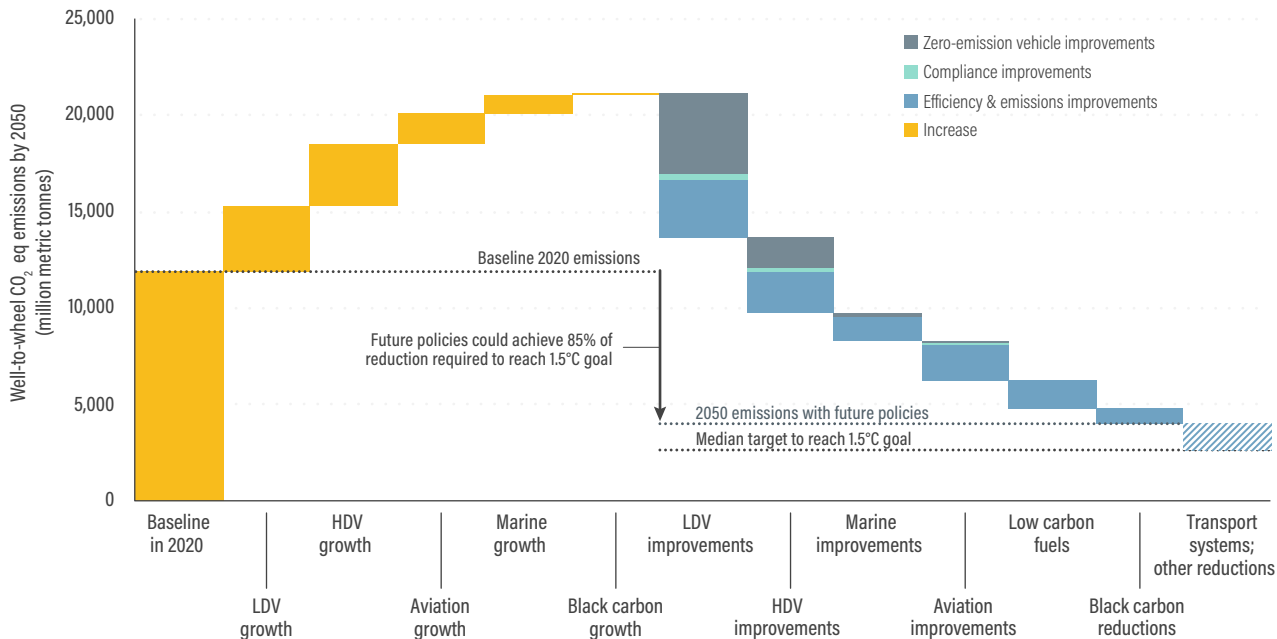


FIGURE 7 Baseline emissions from transport and the mitigation potentials from different sectoral activities in 2050

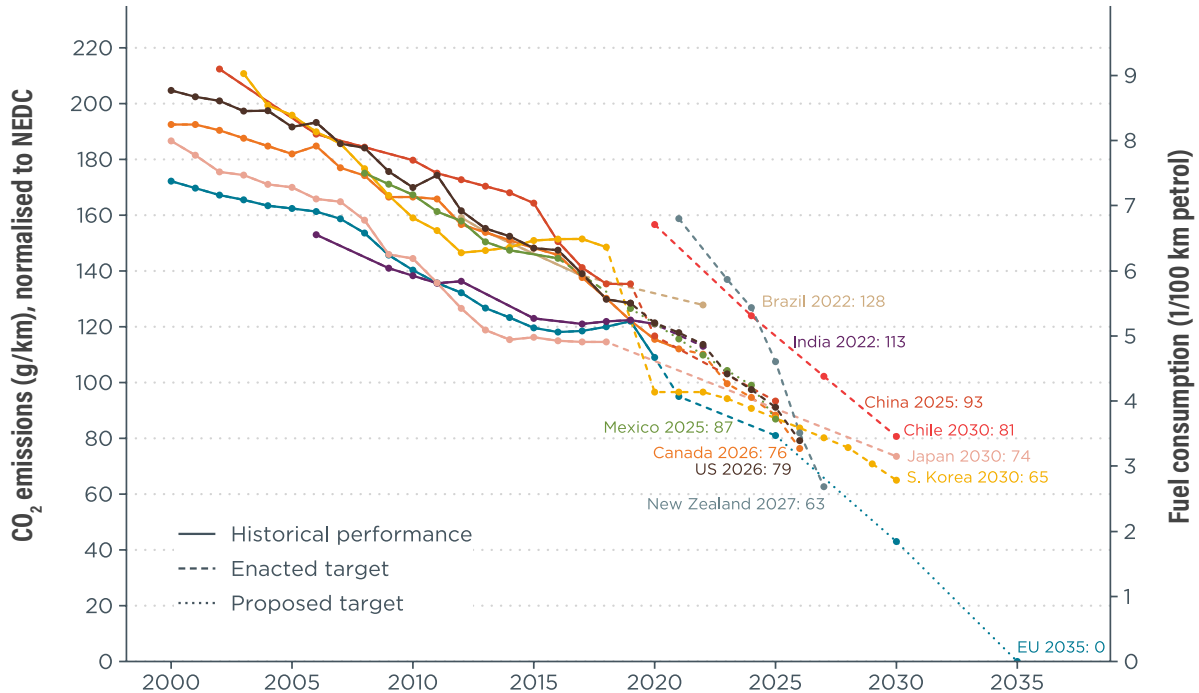
Source: See endnote 62 for this section.



Note: Figure does not show potential reductions from "Avoid" and "Shift" measures.

FIGURE 8 Equivalent passenger car CO₂ emissions and fuel consumption in countries with mandatory vehicle efficiency or emissions standards

Source: See endnote 66 for this section.



Note: Differences in the test procedures across standards are converted to the New European Driving Cycle (NEDC), a testing method to check fuel economy and emissions. Switzerland and the United Kingdom have adopted EU greenhouse gas emission standards and are not shown separately in the graph.

Section 4.2

Vehicle Technologies

FIGURE 1. Electric passenger car stock (left) and sales (right), 2015-2022

Source: See endnote 7 for this section.

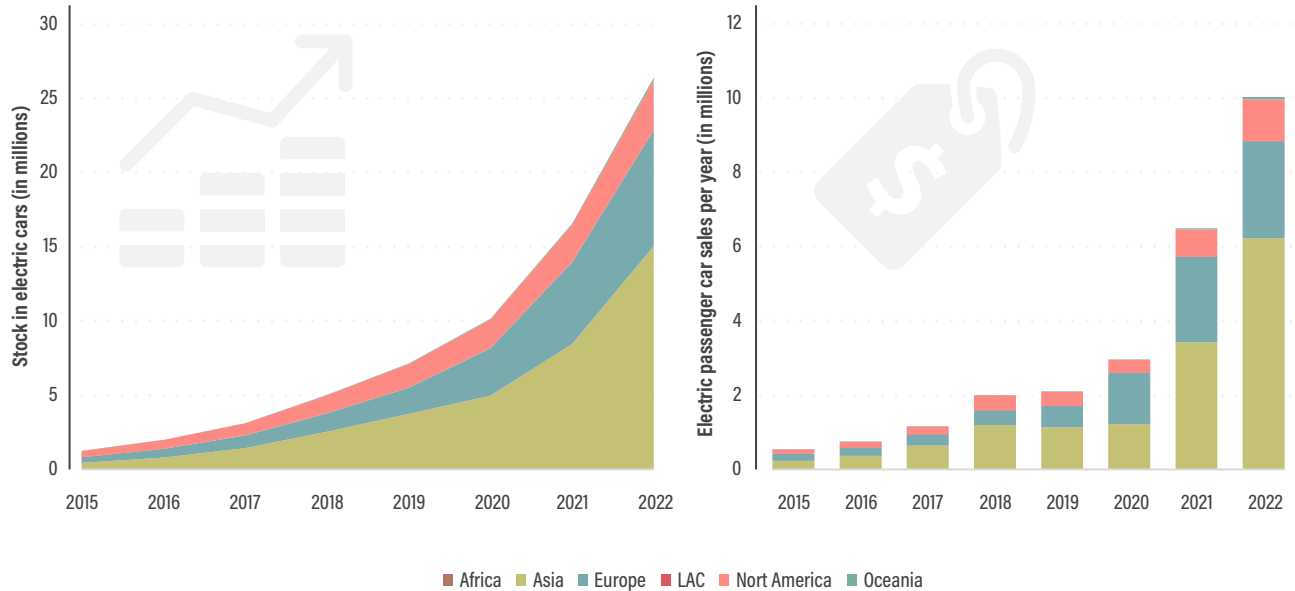


FIGURE 2. Battery price development, 2010-2022

Source: See endnote 53 for this section.

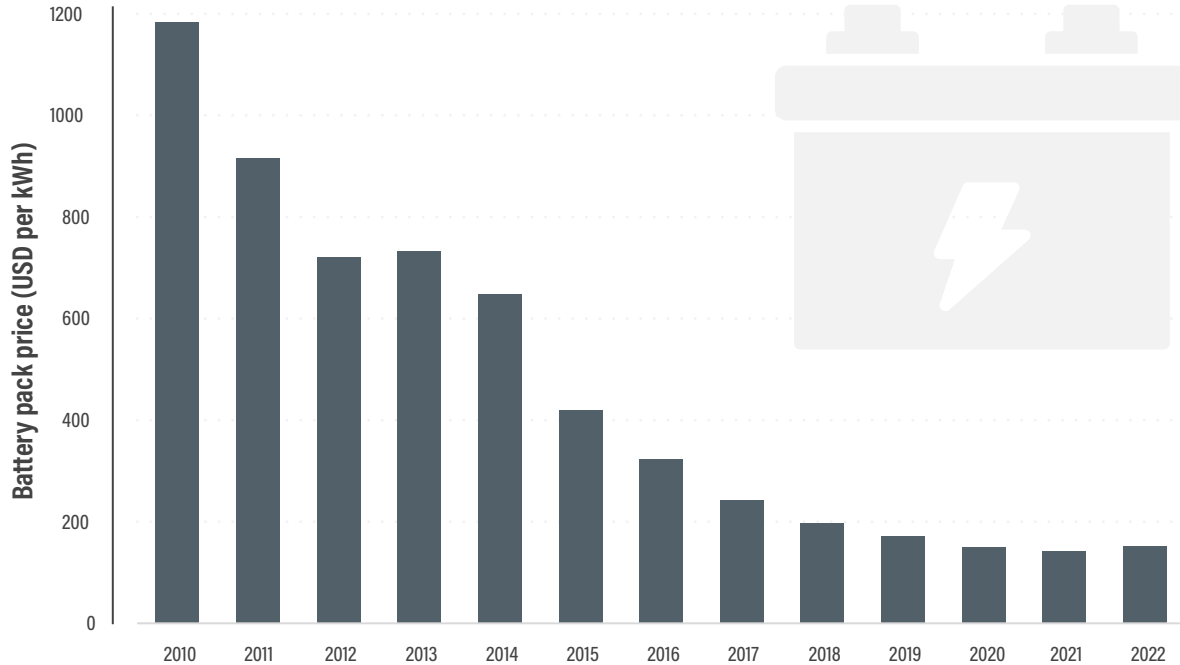


FIGURE 3. Annual fuel cost for vehicle types in the United States, based on 2021-2023 models

Source: See endnote 68 for this section.

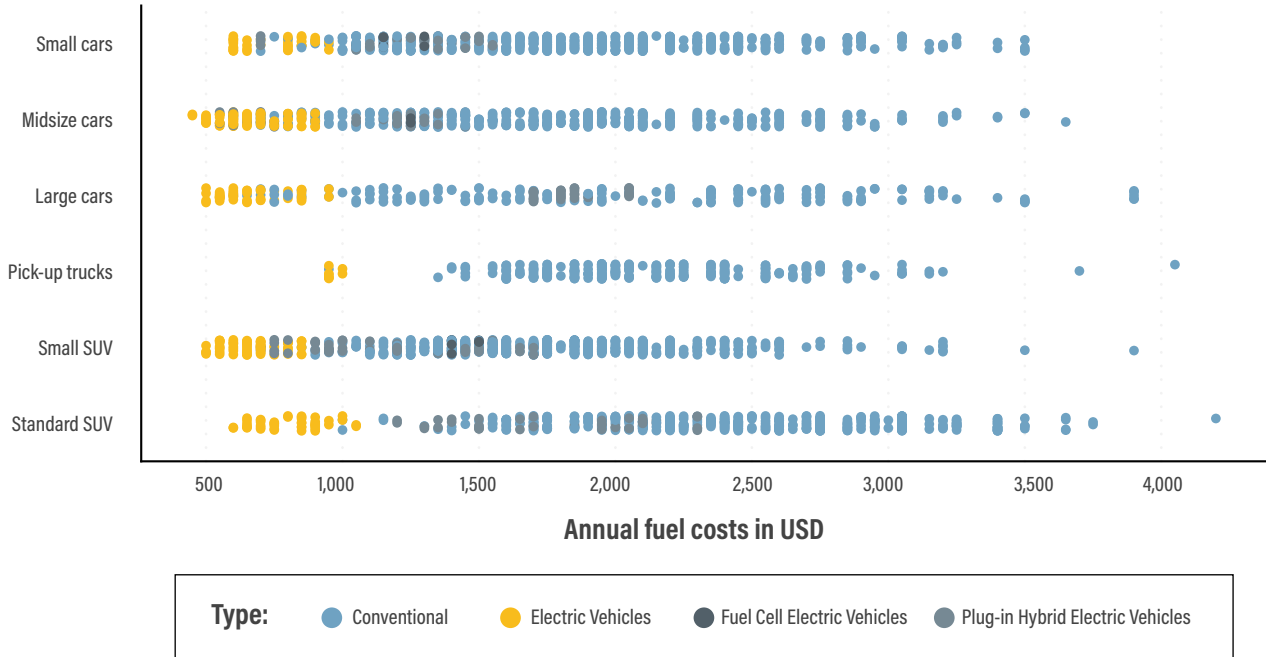


FIGURE 4. Oil displacement through electric vehicles, 2020-2022

Source: See endnote 86 for this section.

Oil displacement (in barrels per day)

