

## API “Backseat Driver” Documentation

The U.S. Environmental Protection Agency proposed new tailpipe emissions standards for light- and medium-duty covering model years 2027-2032 in April 2023 and released a [final rule](#) on March 20, 2024. The final rule will require new cars and trucks sold in the U.S. to meet a fleetwide average of tailpipe emissions standard of 85 grams/mile by 2032

To meet this new standard, EPA projects that there would need to be deployment of battery electric vehicles (BEVs) across the entire fleet of light-duty and medium-duty vehicles. The table below illustrates EPA’s penetration of BEVs over the period 2027 to 2032 for light-duty cars and trucks:

**Table 12-66: Projected BEV Penetrations, Final Standards - Combined**

Manufacturer	2027	2028	2029	2030	2031	2032
Aston Martin	26%	27%	37%	43%	49%	54%
BMW	21%	31%	36%	43%	51%	53%
Ferrari	23%	31%	31%	39%	47%	53%
Ford	22%	26%	36%	40%	49%	53%
General Motors	21%	25%	34%	38%	47%	54%
Honda	25%	30%	37%	45%	51%	56%
Hyundai	26%	31%	38%	44%	50%	55%
JLR	24%	27%	36%	42%	47%	50%
Kia	27%	32%	38%	46%	51%	56%
Lucid	100%	100%	100%	100%	100%	100%
Mazda	24%	28%	36%	43%	49%	52%
McLaren	27%	33%	35%	46%	57%	61%
Mercedes Benz	26%	30%	37%	43%	49%	53%
Mitsubishi	25%	29%	37%	43%	48%	52%
Nissan	25%	31%	38%	44%	52%	57%
Rivian	100%	100%	100%	100%	100%	100%
Stellantis	20%	24%	33%	38%	46%	52%
Subaru	24%	28%	36%	43%	48%	52%
Tesla	100%	100%	100%	100%	100%	100%
Toyota	24%	29%	36%	43%	49%	54%
Volvo	25%	26%	33%	38%	44%	47%
VW	30%	30%	41%	45%	52%	55%
<b>TOTAL</b>	<b>26%</b>	<b>31%</b>	<b>39%</b>	<b>44%</b>	<b>51%</b>	<b>56%</b>

(U.S. Environmental Protection Agency, Multi-Pollutant Emissions Standards for Model Years 2027 and Later Light-Duty and Medium-Duty Vehicles, [Regulatory Impact Analysis](#), March 2024, Table 12-64, p. 12-35)

By 2032, EPA projects that 56% of new light duty cars and trucks sold will need to be BEVs. For comparison, gas-powered cars accounted for 92% of U.S. vehicle sales in 2023 while less than 8% were electric, per [Cox Automotive](#).