MYs 2021-2026 CAFE Proposal - by the Numbers

All quantities compared to standards issued in 2012

Calculated based on “Preferred Alternative” Option in NPRM

Consumer Impacts
Increased vehicle affordability leading to increased driving of newer, safer, more efficient, and cleaner vehicles.

- A $2,340 reduction in overall average vehicle ownership costs for new vehicles
  - $1,850 reduction in the average required technology costs
  - $490 reduction in ownership costs for financing, insurance, and taxes
- Over 12,000 fewer crash fatalities over the lifetimes of all vehicles built through MY 2029
  - Up to 1,000 lives saved annually

Manufacturer Impacts
Reduced regulatory costs and burdens. Increased new vehicle sales.

- $252.6 billion reduction in regulatory costs through MY 2029.
- 1 million additional new vehicle sales through MY 2029.
- Reduction from 56% to 3% in the percentage of hybrid vehicles needed to comply in MY 2030.
- 37.0 mpg projected overall industry average required fuel economy in MYs 2021-2026, compared to 46.7 mpg projected requirement in MY 2025 under standards issued in 2012

Overall Impacts:
Under the preferred alternative, there will be lower costs, thousands of lives saved, and minimal impact to fuel consumption and the environment

- Over $500 billion reduction in societal costs over the lifetimes of vehicles through MY 2029
  - Technology costs: $252.6 billion
  - Costs attributable to additional fatalities: $77.1 billion
  - Costs attributable to additional injuries: $120.4 billion
  - Costs attributable to additional congestion and noise: $51.9 billion
- $176 billion in societal net benefits
- 2-3% increase in daily fuel consumption
  - About 0.5 million barrels per day increase in fuel consumption
- Increase from 789.11 ppm to 789.76 ppm in atmospheric CO₂ concentration in 2100
  - 3/1,000ths of a degree Celsius increase in global average temperature in 2100
  - 8/100ths of a percent increase in atmospheric CO₂ concentration in 2100
- No noticeable impact to net emissions of smog-forming or other “criteria” or toxic air pollutants

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