

ROADMAP TO 2030

Meeting Emissions Goals Will Save Consumers **A LOT** of Money

- The Biden-Harris Administration [has committed](#) to getting the U.S. on a path to a low-carbon economy by 2050, [bringing back](#) the Obama-Biden vehicle standards, and setting new, ambitious ones.
- Achieving these commitments will create a windfall of consumer benefits, while following a path proposed by automakers will cut consumer savings by as much as 60% through Model Year 2026 and jeopardize the Biden-Harris Administration’s climate commitments.
- Meeting those commitments will require steady progress on gasoline vehicle fuel economy and zero emissions vehicle market share:
 - Restore the Obama-Biden standards through 2025
 - 60% reduction in new vehicle greenhouse gas emissions by 2030
 - Zero emissions vehicle sales meet the [goal set](#) by the National Academies of Science, Engineering and Medicine

2030 TARGET

60% Reduction in Greenhouse Gas Emissions from New Cars and Light Trucks

1 MPG / YEAR

improvement in new gasoline vehicles 2022-2030

50%

EV sales by 2030 (11% by 2025)

\$1.6T

in Consumer Savings

10 GIGATONS

Reduction in GHG emissions

CONSUMER BENEFITS

STANDARDS DRIVE SAVINGS IN GAS-POWERED VEHICLES

- Every \$1 invested in fuel economy improvements delivers \$3 in fuel savings.
- [9 in 10 drivers](#) say “automakers should continue to improve fuel economy for all vehicle types.”

STANDARDS DRIVE SAVINGS AS AUTOMAKERS BUILD MORE EVS

- EVs are expected to cost less than a gas-powered vehicle [by 2030](#).
- Many EVs today are already saving consumers money overall, thanks in part to [50% savings on maintenance and 60% savings on fuel](#).

2030 GAS-POWERED VEHICLES: Lifetime Consumer Savings by Class

Cars



SAVE \$2,400

Light Trucks



SAVE \$3,400

2030 ELECTRIC VEHICLES: Lifetime Consumer Savings by Class

EV Cars



SAVE \$13,000

EV Light Trucks



SAVE \$16,000

**CUTTING EMISSIONS BY 60%:
FLEXIBILITY FOR AUTOMAKERS**

The EPA's GHG program provides flexibility to automakers in how they reduce their emissions. There are two major approaches: improving fuel economy of conventional vehicles and selling electric vehicles—which can be blended together in a range of ways. Automakers also cut emissions by improving air conditioning systems.

Compliance Options	Average Economy Improvement Required	EV Market Share		Consumer Savings Through 2050	GHG Savings Through 2050
		2025	2030		
High EV	0 mpg	23%	65%	\$2.0T	10.8GT
Balanced	+1 mpg/year	11%	50%	\$1.6T	10.3GT
High Fuel Economy	+1.7 mpg/year	9%	35%	\$1.3T	10.3GT

RISKY ROUTES TO 2030

- The standards set during the last administration [raised costs for consumers](#) and won't achieve the Biden-Harris climate goals.
- The original standards set by the Obama-Biden administration would restore consumer savings and put automakers on the road to the 2030 target.
- The 2019 automaker deal with California would cut consumer benefits of the Obama-Biden standards by 40-60% through model year 2026, and require rapid industry transformation after 2026 to reach the 2030 target.
- Some automakers are asking for even weaker standards than the 2019 automaker deal.

“

The automaker deal with California **will cut near-term consumer benefits up to 60 percent** compared to the Obama-Biden standards.

”

DAVID FRIEDMAN
Vice President, Advocacy

EQUITABLY ACCELERATING EV PROGRESS

To further accelerate and ensure equity in reaching the Biden-Harris commitment and saving consumers money, Congress should enact the following:

- Equitable EV infrastructure investments
- Equitable EV purchase incentives until cost parity
- Incentives to support domestic electric vehicle and charging equipment supply chains

KEY ASSUMPTIONS

- Meeting Biden-Harris commitment: Automakers take full advantage of air conditioning and off-cycle credits, includes upstream accounting for EV emissions.
- Automaker deal with CA assumes automakers use 50-80% of EV multiplier credits and all off-cycle credits.
- Annual Energy Outlook 2021 energy prices.
- Electric grid achieves zero emissions by 2050.
- Consumer savings include purchase cost, fuel, and maintenance.
- Consumer savings for 2021-2050 and per vehicle savings for MY2030 vehicles are net present values (NPV) in 2020 dollars at a 3% discount rate.