

The Clean Cars Program Saves Money for Consumers

Adoption of the Clean Cars Program will save money for consumers. Automakers can use a variety of technologies to meet the standards, including technologies to reduce gasoline use, allow for the use of low-carbon vehicle fuels, or reduce global warming emissions from air conditioning.

Depending on how automakers choose to comply with the standards, the Clean Cars Program could lead to a reduction in gasoline use of as much as 1.6 billion gallons annually in 2020, which translates into consumer savings at the pump. At today's average fuel prices (\$2.74 per gallon), consumers could save up to \$4.4 billion at the pump in 2020.⁵ These savings would more than offset the additional cost of vehicles complying with the program. The state of California projects that vehicle owners will save a total of \$41 to \$81 each year due to the standards—and that is assuming gasoline costs only \$1.74 per gallon.⁶



A look inside the engine compartment of a hybrid gasoline-electric car, one of several advanced technologies that can help cut global warming pollution from cars and trucks.

With the Clean Cars Program, consumers could save up to \$4.4 billion at the pump in 2020

Notes:

- [1] California Environmental Protection Agency, Air Resources Board, *Staff Report: Initial Statement of Reasons for Proposed Rulemaking, Public Hearing to Consider Adoption of Regulations to Control Greenhouse Gas Emissions from Motor Vehicles*, 6 August 2004.
- [2] Savings estimated using methodology explained in Elizabeth Ridlington and Brad Heavner, *Environment Maryland Research & Policy Center, Cars and Global Warming: Policy Options to Reduce Maryland's Global Warming Pollution from Cars and Light Trucks*, September 2006.
- [3] Calculated assuming 19.654 pounds of carbon dioxide per gallon of gasoline, per U.S. Department of Energy, Energy Information Administration, *Voluntary Reporting of Greenhouse Gases Program, Fuel and Energy Source Codes and Emission Coefficients*, downloaded from www.eia.doe.gov/oiaf/1605/coefficients.html, 10 January 2006.
- [4] U.S. Energy Information Administration, *International Energy Annual 2004*, 19 July 2006.
- [5] \$2.74 per gallon: U.S. Department of Energy, Energy Information Administration, *Weekly U.S. Retail Gasoline Prices, Regular Grade*, for week of 13 August 2007.
- [6] Meszler Engineering Services, *GHG Emission Standards for Vehicles: An Overview of California's Pavley Requirements*, presentation to Rhode Island GHG Process Stakeholders, 28 April 2005.

www.EnvironmentFlorida.org

926 E. Park Ave. • Tallahassee, FL 32301 • Phone (850) 224-5944 • Fax (850) 224-1310

The Benefits of Adopting the Clean Cars Program in Florida



Global warming poses significant threats to Florida, from more frequent and severe hurricanes, to extended droughts and heat waves, to coastal flooding from rising sea levels, all of which could seriously impact our quality of life, our environment and our economic prosperity.

Scientists have said we need to reduce the pollution that causes global warming by 80% over the next 50 years. Governor Crist has taken a bold first step by laying out a plan that makes Florida a leader in that effort. One of the most important parts of that plan is to adopt the "Clean Cars Program," which sets limits on global warming pollution from cars, light trucks and SUVs.

Transportation is Florida's second largest source of carbon dioxide pollution—responsible for more than 42% of the state's emissions in 2004. And because there are more cars on the road and people are driving more, the problem is only getting worse.

The good news is that automakers can make cars that release less pollution, while offering us all the amenities and styles we are accustomed to.

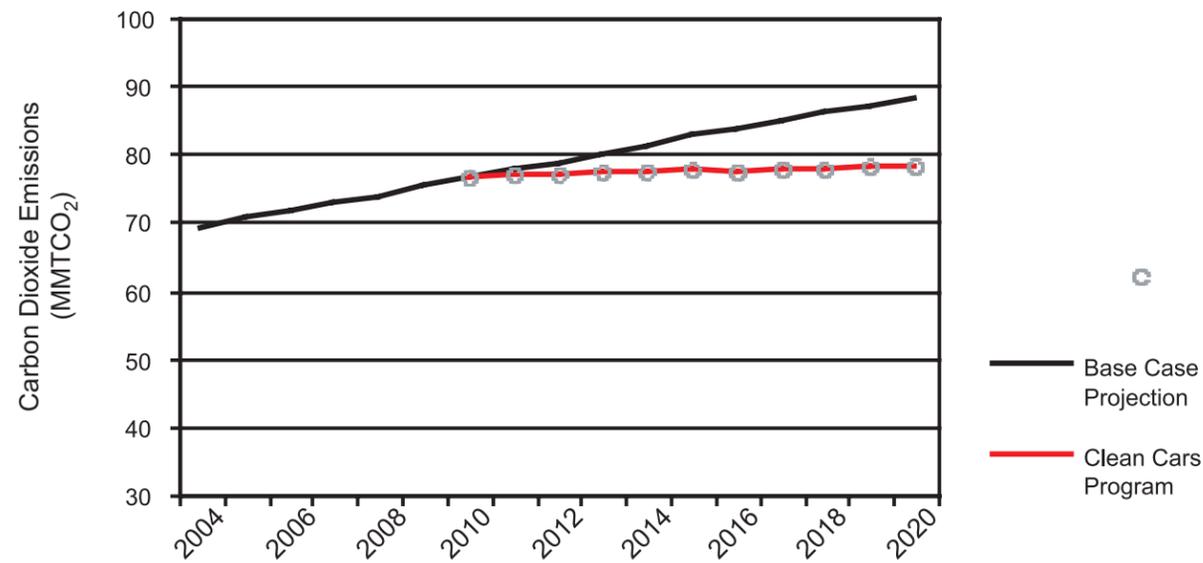
The benefits of adopting the Clean Cars program will be significant:

- Adopting the Clean Cars Program in Florida will cut global warming pollution from cars, light trucks and SUVs by 9.8 million metric tons per year below projected levels in 2020.
- The cumulative global warming emissions reduction from the program between 2010 and 2020 is 54.4 million metric tons.



If Florida were to adopt the Clean Cars Program, by 2015, new cars would be required to emit 34 percent less global warming pollution on average, and light trucks 25 percent less pollution. Tailpipe emissions of conventional air pollutants will also be reduced, making Florida's air easier to breathe.

Figure 1. Carbon Dioxide Emissions from Cars and Light Trucks in Florida



The global warming pollution reductions from 2010 to 2020 from implementing the Clean Cars program would be equivalent to taking 13.8 million cars off the road for a year.

Reducing Global Warming Pollution with the Clean Cars Program

The Clean Air Act allows states with air quality problems to choose between federal vehicle emission standards and the more protective standards—known as the Clean Cars Program—implemented by the state of California.

Unlike current federal standards, the Clean Cars Program includes limits on global warming pollution. To give automakers time to implement the program in Florida, it would start no sooner than 2010. The program will require automakers to reduce the average amount of global warming pollution from their cars, light trucks and SUVs. By 2015, new cars will be required to emit 34 percent less global warming pollution on average, and light trucks 25 percent less pollution. These aggressive, yet achievable standards will result in significant reductions in global warming pollution.¹

In adopting the Clean Cars Program, Florida joins 12 other states—California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington.

Light-duty vehicles in Florida are projected to release 87.9 million metric tons of carbon dioxide (MMTCO₂) in 2020, the result of increasing vehicle travel, growing use of SUVs and light trucks, and stagnant fuel economy. By adopting the Clean Cars Program, annual emissions will be reduced by 11 percent, to 78.1 MMTCO₂ in 2020.²

From 2010 to 2020, thanks to the Clean Cars Program, vehicles in Florida will have released 54.4 million metric tons less carbon dioxide. This is equal to removing 13.8 million of today's cars from the road for a year.³ And on an international scale, the pollution savings are bigger than total annual emissions from Ireland.⁴

