WHAT'S YOUR CAR'S Carbon Footprint?

FIND OUT WITH THE CARBON CALCULATOR AVAILABLE TODAY!

Argonne NATIONAL LABORATORY

Did you know...

Your vehicle's carbon footprint is more than just the tailpipe emissions and includes all the activities that are needed to get the fuel from its source to the car. For example, crude oil well drilling, pumping, refining and shipping contribute to the carbon footprint of gasoline. When researchers examine vehicles and fuels in this way, it is commonly called a well-to-wheels analysis.

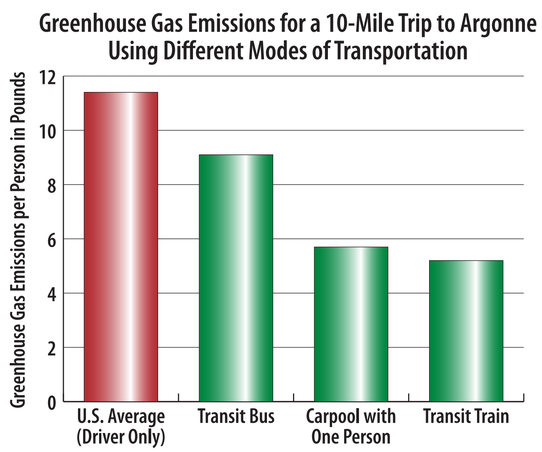
OPPORTUNITY

While you are here today, you can use the Carbon Calculator to estimate your travel carbon footprint and find ways to potentially reduce it. The Carbon Calculator uses results from the **G**reenhouse gases, **R**egulated **E**missions, and **E**nergy use in **T**ransportation (GREET) model developed at Argonne with fuel economy data from the Environmental Protection Agency and statistics from the Oak Ridge National Laboratory's Transportation Energy Data Book.

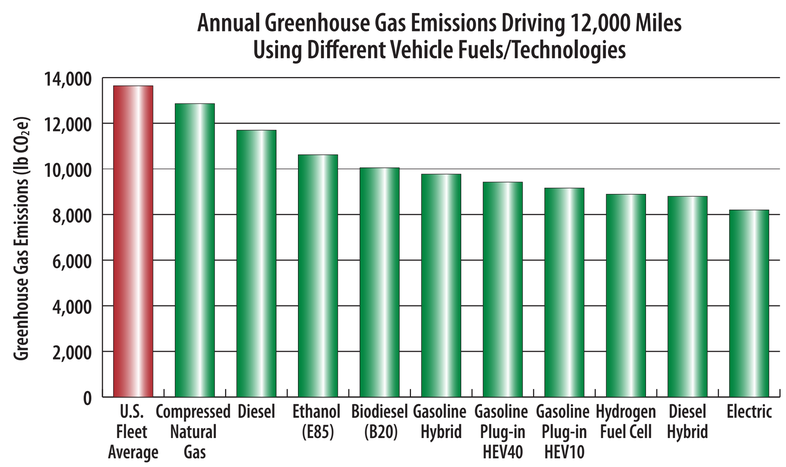
SOLUTION

Argonne researchers created the GREET model to calculate greenhouse gas emissions, air pollutants, and energy use of various fuel and vehicle systems to get a complete picture of the energy and environmental impacts of a technology. GREET can estimate emissions and energy use of vehicles powered by everything from Brazilian sugarcane to hydrogen fuel cells. It is a key tool used by DOE's Biomass, Fuel Cell Technologies, Vehicle Technologies and Geothermal programs to evaluate the greenhouse gas emissions for a variety of technology portfolios. GREET is also used for regulation development by agencies such as the U.S. Environmental Protection Agency and the California Air Resources Board.

Use Argone's Carbon Calculator to estimate your greenhouse gas emissions at http://greet.es.anl.gov/trip-calculator, or try it out in our booth today!



Average greenhouse gas emissions for a 10-mile trip to the Laboratory with various means of transportation.



Average annual greenhouse gas emissions for vehicles with various fuel types and advanced technologies that are driven 12,000 miles per year.

BENEFITS

You may reduce your carbon footprint through your daily travel choices, such as carpooling or taking mass transit. Another way is to change the vehicle you drive. Vehicles with a high fuel economy or those that use alternative fuels can reduce your footprint.

INDUSTRY PARTNERSHIPS

Argonne researchers work with industry and government experts to incorporate new data into GREET. As of June 2012, there are more than 20,000 users of GREET worldwide, including government agencies, the auto and energy industries, research institutions, universities and public interest groups.

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Visit www.greet.es.anl.gov to learn more!

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