



# NC CLEAN ENERGY TECHNOLOGY CENTER

Formerly the NC Solar Center

Advancing Clean Energy for a Sustainable Economy

Clean Transportation Program | [www.cleantransportation.org](http://www.cleantransportation.org)

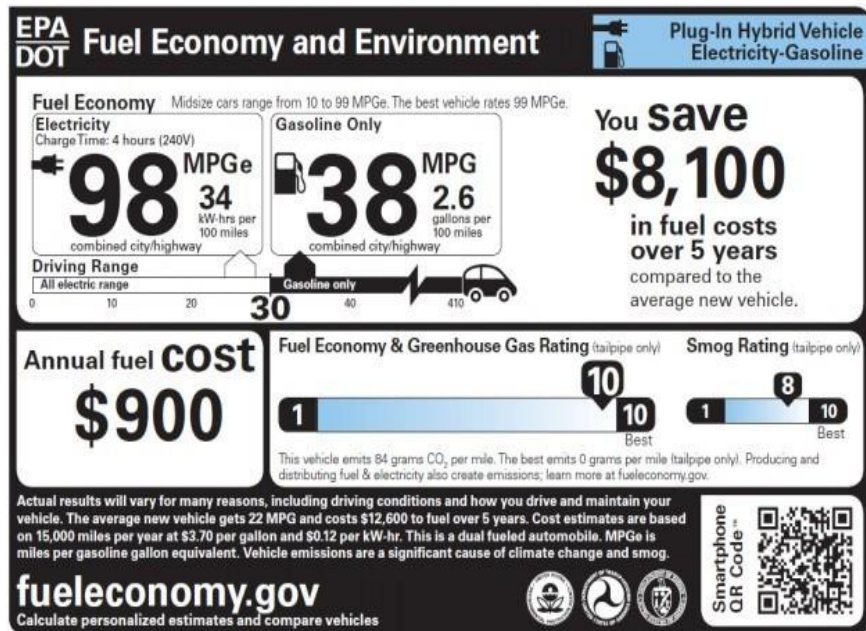
## Green Vehicle Guide: Best vehicles by size class for 2014

The U.S. Environmental Protection Agency (EPA) Green Vehicle Guide provides fuel economy estimates and tailpipe emission levels on user customized vehicle selections. Fuel economy estimates in miles per gallon (MPG) are provided from city and highway driving simulations. Air Pollution and Greenhouse Gas Scores (GHG) allow comparison between all vehicle makes and model years. Air Pollution Scores represent the Emission Standard (Bin) met by each vehicle model certified through exhaust monitoring. Vehicles scoring the highest are certified to the lowest Bin and have zero smog producing tailpipe emissions. By 2010, vehicle manufacturers were required to meet a Bin 5 average across all the vehicles they produced. The EPA GHG Score is calculated based on fuel economy and reflects tailpipe emissions of carbon dioxide, methane, and nitrous oxide. Vehicles with higher fuel economy or lower carbon content fuel create less GHGs and have higher scores.

The American Council for an Energy-Efficient Economy (ACEE) Green Book rates vehicles based on fuel economy and emissions reported to the EPA. In addition to pollution estimates from vehicle manufacturing, fuel production and distribution, other lifecycle GHG emissions are assessed in the development of Green Scores. Models are ranked within vehicle class sizes and compared to overall yearly average Green Score.

The U.S. Department of Energy (DOE) fuel economy website lists the top fuel efficient vehicles by size and offers side by side comparisons across all makes, models, and years. Users can compare fuel economy and emission scores, with additional estimates for annual petroleum consumption and fuel lifecycle GHG emissions.

The new-for-2013 window stickers required by the EPA help consumers compare energy use, fuel cost, and environmental impact between traditional gasoline-powered and advanced technology vehicles. The NC Solar Center selected the 2014 Greenest Vehicles for each size class by comparing EPA, DOE, and ACEE ratings. (see next page)



### Find & Compare Vehicles:

[www.greenecars.org](http://www.greenecars.org)    [www.fueleconomy.gov/feg/findacar.shtml](http://www.fueleconomy.gov/feg/findacar.shtml)

This document is supported in part through the Clean Fuel Advanced Technology project with funding from the N.C. Department of Transportation.

**NC STATE UNIVERSITY**

## Greenest Vehicles of 2014 by Size Class and Fuel Technology

	Hybrid	Petroleum	Alternative Fuel
Compact Car	<b>Toyota Prius c</b> 1.5L, Auto, Gasoline (87) 53 city/46 hwy, Bin 3	<b>Ford Fiesta SFE</b> 1.0L, Manual, Gasoline (87) 32 city/45 hwy, Bin 4	<b>Chevrolet Spark EV</b> Electric 128/109 MPGe, 82-mile range, Bin 1
	<b>Volkswagen Jetta Hybrid</b> 1.4L, Auto, Gasoline (91) 42 city/48 hwy, Bin 3	<b>Mitsubishi Mirage</b> 1.2L, Auto, Gasoline (87) 37 city/44 hwy, Bin 5	<b>Honda Civic Natural Gas</b> 1.8L, Auto, Natural Gas 27 city/38 hwy, Bin 2
	<b>Honda Civic Hybrid</b> 1.5L, Auto, Gasoline (87) 44 city/44 hwy, Bin 2	<b>Chevrolet Spark</b> 1.2L, Manual, Gasoline (87) 31 city/39 hwy, Bin 4	<b>Chevrolet Volt</b> 1.4L, Auto, Electricity/Gasoline (91) 101/93 MPGe, electric-only 38 miles 35 city/40 hwy, Bin 4
Midsize Car	<b>Toyota Prius</b> 1.8L, Auto, Gasoline (87) 51 city/48 hwy, Bin 3	<b>Chevrolet Cruze Clean Turbo Diesel</b> 2.0L, Auto, Diesel (up to B20) 27 city/46 hwy, Bin 5	<b>Nissan Leaf</b> Electric 129/102 MPGe, 75-mile range, Bin 1
	<b>Ford C-MAX Hybrid</b> 2.0L, Auto, Gasoline (87) 45 city/40 hwy, Bin 3	<b>Mazda 6 (w/i-ELOOP)</b> 2.5L, Auto, Gasoline (87) 28 city/40 hwy, Bin 5	<b>Ford Focus SFE (FFV)</b> 2.0L, Auto, Gasoline (87)/E85 28 city/40 hwy, E85 20 city/28 hwy, Bin 4
	<b>Honda Accord Hybrid</b> 2.0L, Auto, Gasoline (87) 50 city/45 hwy, Bin 3	<b>Hyundai Elantra</b> 1.8L, Auto, Gasoline (87) 28 city/38 hwy, Bin 5	<b>Dodge Dart (FFV)</b> 2.0L, Auto, Gasoline (87)/E85 24 city/34 hwy, E85 17 city/24 hwy, Bin 4
	<b>Toyota Camry Hybrid LE</b> 2.5L, Auto, Gasoline (87) 43 city/39 hwy, Bin 3	<b>Volkswagen Passat TDI</b> 2.0L, Manual, Diesel 31 city/43 hwy, Bin 5	<b>Ford C-MAX Energi</b> 2.0L, Auto, Electricity/Gasoline (87) 108/92 MPGe, electric-only 21 miles 44 city/41 hwy, Bin 3
Large Car	<b>Toyota Prius v</b> 1.8L, Auto, Gasoline (87) 44 city/40 hwy, Bin 3	<b>Audi A6</b> 3.0L, Auto, Diesel 24 city/38 hwy, Bin 5	<b>Tesla Model S (85 kW-h)</b> Electric 88/90 MPGe, 265-mile range, Bin 1
	<b>Toyota Avalon Hybrid</b> 2.5L, Auto, Gasoline (87) 40 city/39 hwy, Bin 3	<b>Chevrolet Impala eAssist</b> 2.4L, Auto, Gasoline (87) 25 city/35 hwy, Bin 3	<b>Chrysler 300 (FFV)</b> 3.6L, Auto, Gasoline (87)/E85 19 city/31 hwy, E85 14 city/23 hwy, Bin 4
S.U.V.	<b>Lexus RX450h</b> 3.5L, Auto, Gasoline (91) 32 city/28 hwy, Bin 3	<b>Buick Encore</b> 1.4L, Auto, Gasoline (87) 25 city/33 hwy, Bin 4	<b>Chevy Equinox / GMC Terrain (FFV)</b> 2.4L, Auto, Gasoline(87)/E85 22 city/32 hwy, E85 15 city/22 hwy, Bin 4
	<b>Toyota Highlander Hybrid</b> 3.5L, Auto, Gasoline (87) 27 city/28 hwy, Bin 3	<b>Mazda CX-5</b> 2.0L, Manual, Gasoline (87) 26 city/35 hwy, Bin 5	<b>Chevrolet Captiva (FFV)</b> 2.4L, Auto, Gasoline(87)/E85 20 city/28 hwy, E85 15 city/22 hwy, Bin 4
Pickup Truck	<b>None Available</b>	<b>Ram 1500 HFE 2WD</b> 3.6L, Auto, Gasoline (87) 18 city/25 hwy, Bin 4	<b>Ram 1500 2WD (FFV)</b> 3.6L, Auto, Gasoline (87)/E85 17 city/25 hwy, E85 12 city/17hwy, Bin 4
	<b>None Available</b>	<b>Toyota Tacoma 2WD</b> 2.7L, Manual, Gasoline (87) 21 city/25 hwy, Bin 5	<b>Chevrolet Silverado 1500 / GMC Sierra C15 2WD (FFV)</b> 4.3L, Auto, Gasoline (87)/E85 18 city/24 hwy, E85 12 city/16hwy, Bin 4

kW-h=Kilowatt-Hour (Electric Energy Measurement), MPGe=MPG equivalent, Bin=Tailpipe Emission Standard, FFV=Flex Fuel Vehicle