

# 2010 Model Year Carolinas Green Vehicle Guide

Use this guide to choose the cleanest and most  
fuel efficient vehicle that meets your needs

**REMEMBER:** Low pollution and fuel economy are  
both important for the environment and for  
saving you money!






This document was prepared by Mecklenburg County Air Quality using the Green Vehicle Guide  
published by the United States Environmental Protection Agency (EPA).

For more information, visit EPA's Green Vehicle Guide at [www.epa.gov/greenvehicles](http://www.epa.gov/greenvehicles).

# The 2010 Green Vehicle Guide was produced by Mecklenburg County Air Quality as a resource for local citizens and businesses who want to consider air quality when making vehicle purchasing decisions.

## How we developed the List

- Air pollution scores and greenhouse gas scores are published by the EPA (Environmental Protection Agency) in their annual Green Vehicle Guide.
- This document averages EPA's greenhouse gas scores and air pollution scores to determine an overall air quality score for each vehicle.
- Scores range from 1 Greenie  to 5 Greenies   
where 5 Greenies  is the best (and "best" means the lowest emissions).
- Vehicles were filtered by sales region to try to identify vehicles that are available in the Carolinas. However, it is important to check the underhood ID to ensure you are getting the correct engine.
- Out of approximately 1691 vehicles evaluated in 2010, 61 top performers are listed on the following pages sorted by overall air quality score.
- Additional information regarding EPA's air pollution and greenhouse gas scores can be found on EPA's website: <http://www.epa.gov/greenvehicles/Index.do>.
- [Fueleconomy.gov](http://www.fueleconomy.gov) is another good source of information regarding vehicle fuel economy, carbon footprint and air pollution score. Visit their website at: <http://www.fueleconomy.gov>.

## Definitions

EPA Air Pollution Score (APS): The APS is based on the level of pollution that produces smog and causes health problems.

EPA Greenhouse Gas Score (GHGS): The GHGS reflects the exhaust emissions of carbon dioxide, a GHG and one of the biggest byproducts of engine combustion.

Mecklenburg County Air Quality Score (MCAQS): The MCAQS for a given vehicle is determined by averaging the vehicle's GHG score and APS.

Number of Cylinders: The number of cylinders is another measure of a vehicle's engine size. Larger, more powerful engines usually have more cylinders than smaller engines.

Transmission Type: The transmission type can be either manual or automatic.

Drive System: The drive system can be 2WD, 4WD or AWD. No drive is indicated if the vehicle is AWD.

## Finding the Engine Size and Underhood Label Identification Number

Every vehicle is required to have a permanent underhood emission label (known as the Vehicle Emission Control Information label) that can usually be found under the hood near the engine. You will find the engine size (displacement) and the Underhood Label Identification Number (engine family) and other emission information on the underhood label. The engine size will normally be shown in units of liters (3.2 L = 3.2 liters). The Underhood Label Identification Number is 12 characters long (including the decimal point).

Make sure that the engine size and Underhood Label Identification Number on the label of the vehicle you are going to purchase (or on your current vehicle) matches those in this guide. This is the only way to verify that you are purchasing the vehicle with the EPA ranking you desire.

### Reduce Air Pollution From Your Vehicle

- Avoid long periods of idling
- Avoid quick starts
- Avoid carrying unneeded items in your vehicle
- Keep tires properly inflated and aligned
- Carry items in your vehicle instead of on roof racks
- Get regular tune-ups

And Don't forget to:

- Combine trips
- Carpool with friends and co-workers

Emission labels vary in appearance, but they all contain the engine family or test group.

If there is no certification printed on the label the vehicle is not a low emission vehicle.

Vehicle Emission Control Information		
<b>X</b>	ENGINE FAMILY <u>YGMXV01.9002</u>	OBD II CERTIFIED
Motors Inc.	1.9 LITER	
◆ SPARK PLUG GAP 0.040 INCHES		
◆ MODULE COMPUTER CONTROLLED, NO ADJUSTMENT NEEDED		
◆ SEE SERVICE MANUAL AND MAINTENANCE SCHEDULE FOR MORE INFORMATION		
EXHAUST EMISSION STANDARDS		STANDARD CATEGORY
Certification		LEV
THIS VEHICLE CONFORMS TO U.S. EPA REGULATION APPLICABLE TO 2000 MODEL-YEAR NEW PASSENGER CARS		CATALYST



## 5 Greenies (The BEST!)



Model	Type	Fuel	Trans.	Drive	Cyldrs.	Engine Size	Underhood ID	Combo MPG
HONDA Civic Hybrid	small car	Gasoline	CVT	2WD	4	1.3L	AHNXV01.3CDH	42
HONDA Insight (Hybrid)	small car	Gasoline	CVT CVT-Man	2WD	4	1.3L	AHNXV01.3CD2	41



## 4 Greenies



Model	Type	Fuel	Trans.	Drive	Cyldrs.	Engine Size	Underhood ID	Combo MPG
FORD Fusion Hybrid	midsize car	Gasoline	CVT	2WD	4	2.5L	AFMXV02.5VZH	39
MERCURY Milan Hybrid	midsize car	Gasoline	CVT	2WD	4	2.5L	AFMXV02.5VZH	39
TOYOTA Prius (Hybrid)	midsize car	Gasoline	CVT	2WD	4	1.8L	ATYXV01.8HC3	50
FORD Escape Hybrid	SUV	Gasoline	CVT	2WD	4	2.5L	AFMXT02.52ZF	32
LEXUS HS 250h (Hybrid)	small car	Gasoline	CVT	2WD	4	2.4L	ATYXV02.4CC4	35
MAZDA Tribute Hybrid	SUV	Gasoline	CVT	2WD	4	2.5L	AFMXT02.52ZF	32
MERCURY Mariner Hybrid	SUV	Gasoline	CVT	2WD	4	2.5L	AFMXT02.52ZF	32
TOYOTA Camry Hybrid	midsize car	Gasoline	CVT	2WD	4	2.4L	ATYXV02.4HC3	34

## 3 Greenies

Model	Type	Fuel	Trans.	Drive	Cyldrs.	Engine Size	Underhood ID	Combo MPG
FORD Escape Hybrid	SUV	Gasoline	CVT	4WD	4	2.5L	AFMXT02.52ZF	29
FORD Focus	small car	Gasoline	Auto-4 Man-5	2WD	4	2L	AFMXV02.0VZX	28
HONDA Accord Coupe	small car	Gasoline	Auto-5	2WD	4	2.4L	AHNXV02.4KC3	25
HONDA Accord Sedan	large car	Gasoline	Auto-5	2WD	4	2.4L	AHNXV02.4KC3	25
MAZDA Tribute Hybrid	SUV	Gasoline	CVT	4WD	4	2.5L	AFMXT02.52ZF	29
MERCURY Mariner Hybrid	SUV	Gasoline	CVT	4WD	4	2.5L	AFMXT02.52ZF	29

## Top 5 Most Fuel Efficient Vehicles

	<u>City MPG</u>	<u>Hwy MPG</u>	<u>Combo MPG</u>
1. TOYOTA Prius (Hybrid)	51	48	50
2. HONDA Civic Hybrid	40	45	42
3. HONDA Insight (Hybrid)	40	43	42
4. FORD Fusion Hybrid	41	36	39
5. MERCURY Milan Hybrid	41	36	39



## 2 Greenies

Model	Type	Fuel	Trans.	Drive	Cyldrs.	Engine Size	Underhood ID	Combo MPG
AUDI A3	wagon	Gasoline	Man-6 SemiAuto-6	2WD	4	2L	AADXV02.03PA	24
SUZUKI Swift +	small car	Gasoline	Man-5	2WD	4	1.6L	AGDXV01.6004	30
TOYOTA Yaris	small car	Gasoline	Man-5	2WD	4	1.5L	ATYXV01.5BEA	32
VOLKSWAGEN Eos	small car	Gasoline	Man-6 SemiAuto-6	2WD	4	2L	AVWXV02.03SA	25
VOLKSWAGEN GTI	small car	Gasoline	SemiAuto-6	2WD	4	2L	AADXV02.03PA	27
VOLKSWAGEN Golf	small car	Gasoline	Man-5/Auto-6	2WD	5	2.5L	AVWXV02.5259	25
VOLKSWAGEN Jetta	small car	Gasoline	SemiAuto-6	2WD	4	2L	AADXV02.03PA	27
VOLKSWAGEN Jetta	small car	Gasoline	Man-5/Auto-6	2WD	5	2.5L	AVWXV02.5259	25
VOLKSWAGEN Jetta SportWagen	wagon	Gasoline	Man-5/Auto-6	2WD	5	2.5L	AVWXV02.5259	25

## 1 Greenie

Model	Type	Fuel	Trans.	Drive	Cyldrs.	Engine Size	Underhood ID	Combo MPG
AUDI A3	wagon	Diesel	SemiAuto-6	2WD	4	2L	AVWXV02.0U5N	34
CHEVROLET Cobalt Coupe	small car	Gasoline	Man-5	2WD	4	2.2L	AGMXV02.2030 AGMXV02.4027	30
CHEVROLET Cobalt Sedan	small car	Gasoline	Man-5	2WD	4	2.2L	AGMXV02.2030 AGMXV02.4027	30
CHEVROLET Cobalt XFE Coupe	small car	Gasoline	Man-5	2WD	4	2.2L	AGMXV02.2030 AGMXV02.4027	30
CHEVROLET Cobalt XFE Sedan	small car	Gasoline	Man-5	2WD	4	2.2L	AGMXV02.2030 AGMXV02.4027	30

CHEVROLET Malibu Hybrid	midsize car	Gasoline	Auto-4	2WD	4	2.4L	AGMXV02.4040	29
CHRYSLER Sebring	midsize car	Gasoline	Auto-4	2WD	4	2.4L	ACRXV02.4VP0	24
DODGE Avenger	midsize car	Gasoline	Auto-4	2WD	4	2.4L	ACRXV02.4VP0	24
HONDA Civic	small car	Gasoline	Man5/Auto5	2WD	4	1.8L	AHNXV01.8GB9	29
HONDA Fit	wagon	Gasoline	Man5/Auto5 SemiAuto-5	2WD	4	1.5L	AHNXV01.5FB3	30
HYUNDAI Accent	small car	Gasoline	Man5/Auto4	2WD	4	1.6L	AHYXV01.6MW5	30
HYUNDAI Elantra	midsize car	Gasoline	Man5/Auto4	2WD	4	2L	AHYXV02.0HW5	29
HYUNDAI Elantra Blue	midsize car	Gasoline	Man-5	2WD	4	2L	AHYXV02.0HW5	29
KIA Forte	small car	Gasoline	Man5/Auto4 Auto-5	2WD	4	2L	AKMXV02.0TW5	28
KIA Forte	small car	Gasoline	Man5/Auto4 Auto-5	2WD	4	2L	AKMXV02.0TWN	28
KIA Rio	small car	Gasoline	Man5/Auto4	2WD	4	1.6L	AKMXV01.6BW5	30
KIA Soul	wagon	Gasoline	Man5/Auto4	2WD	4	1.6L	AKMXV01.6AW5	28
LEXUS GS 450h (Hybrid)	small car	Gasoline	SemiAuto-6	2WD	6	3.5L	ATYXV03.5CC4	23
MAZDA 3	small car	Gasoline	Man-5	2WD	4	2L	ATKXV02.05NM	28
NISSAN Sentra	midsize car	Gasoline	CVT	2WD	4	2L	ANSXV02.0G2A	29
PONTIAC G5	small car	Gasoline	Man-5	2WD	4	2.2L	AGMXV02.2030 AGMXV02.4027	30
PONTIAC G5 GT	small car	Gasoline	Man-5	2WD	4	2.2L	AGMXV02.2030 AGMXV02.4027	30
PONTIAC G5 XFE	small car	Gasoline	Man-5	2WD	4	2.2L	AGMXV02.2030 AGMXV02.4027	30
PONTIAC Vibe	wagon	Gasoline	Man5/Auto4	2WD	4	1.8L	ANTXV01.8BEA	28
SUBARU Legacy	midsize car	Gasoline	CVT	4WD	4	2.5L	AFJXJ02.5NVD	26
SUBARU Outback Wagon	SUV	Gasoline	CVT	4WD	4	2.5L	AFJXJ02.5NVD	24

# 1 Greenie (cont.)

Model	Type	Fuel	Trans.	Drive	Cyldrs.	Engine Size	Underhood ID	Combo MPG
SUZUKI SX4 Sedan	small car	Gasoline	CVT	2WD	4	2L	ASKXV1.995F1	28
SUZUKI Swift +	small car	Gasoline	Auto-4	2WD	4	1.6L	AGDXV01.6004	26
TOYOTA Corolla	small car	Gasoline	Man5/Auto4	2WD	4	1.8L	ATYXV01.8BEA	29
TOYOTA Matrix	wagon	Gasoline	Man5/Auto4	2WD	4	1.8L	ATYXV01.8BEA	28
TOYOTA Scion xD	small car	Gasoline	Man5/Auto4	2WD	4	1.8L	ATYXV01.8BEA	29
TOYOTA Yaris	small car	Gasoline	Auto-4	2WD	4	1.5L	ATYXV01.5BEA	31
VOLKSWAGEN Golf	small car	Diesel	Man-6 SemiAuto-6	2WD	4	2L	AVWXV02.0U5N	34
VOLKSWAGEN Jetta	small car	Diesel	Man-6 SemiAuto-6	2WD	4	2L	AVWXV02.0U5N	34
VOLKSWAGEN Jetta SportWagen	wagon	Diesel	Man-6 SemiAuto-6	2WD	4	2L	AVWXV02.0U5N	34
VOLKSWAGEN New Beetle	small car	Gasoline	Man-5	2WD	5	2.5L	AVWXV02.5257	23

## Minivans and Pickup Trucks

No minivans or pickup trucks achieved a Mecklenburg County Air Pollution score high enough to earn any "Greenies." However, there are times when larger vehicles such as these may be necessary or desired. Below are the lowest emitting vehicles in these two categories.

### Top Minivans

Chrysler Town & Country	Mazda 5
Dodge Grand Caravan	Toyota Sienna
Honda Odyssey	Volkswagen Routan

### Top Pick-up Trucks

Ford Ranger	Nissan Frontier
Toyota Tacoma	Suzuki Equator