

Four reasons why driving a New York State E-85 Flex-Fuel vehicle matters!

- Corn is the main feedstock for ethanol in the United States. Cellulosic ethanol is made from agricultural waste such as corn stalks, switchgrass, wood chips, and other agricultural byproducts.
- E-85 reduces greenhouse gas emissions such as carbon dioxide, the main contributor to global warming, as much as 39 to 46 percent compared to gasoline. (National Ethanol Vehicle Coalition)
- Production of ethanol in January 2007 averaged 375,000 barrels per day while demand averaged 414,000 barrels per day. (Energy Information Administration and the Renewable Fuels Association.)



SUSTAINABLE STATE OPERATIONS
New York Actions → Global Impacts

Additional Resources:

U.S. Department of Energy Ethanol Websites:

<http://www.afdc.energy.gov/afdc/ethanol>

Flex-Fuel Vehicle Cost Calculator:

http://www.afdc.energy.gov/afdc/progs/cost_anal.php?0/E85/

Net Energy Balance of Ethanol:

<http://www.afdc.energy.gov/afdc/ethanol/balance.html>

**NEW YORK STATE
OFFICE OF GENERAL SERVICES'**



presents:



*ALTERNATIVE FUELED VEHICLE ESSENTIALS:
A GUIDE FOR
E-85 FLEX-FUEL
VEHICLE OPERATORS*



**ALTERNATIVE FUELED VEHICLES PROGRAM
NYS OGS, Support Services Group
Harriman State Office Campus
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Andrew M. Cuomo, Governor
<http://ogs.ny.gov/bu/ss/afv/docs/e85brochure.pdf>

Flex-Fuel Vehicle E-85 Fueling Essentials



E-85 Fueling Instruction for Flex-Fuel Vehicles

1. **E-85 fueling practices are identical to gasoline fueling.**
2. **Turn engine OFF and remove key.**
3. **Just like any vehicle, do not refuel while the vehicle is running; do not talk on a cell phone or smoke while refueling the vehicle.**

Unless your vehicle is designated a Flex Fuel Vehicle, you should not fuel with E-85. *(Check your car's fuel filler door for an id sticker or consult your owner's manual if you are unsure.)*

Ethanol (E-85) Facts

E-85, a blend of 85% ethanol and 15% gasoline, can be used in flexible fuel vehicles (FFVs), which are specially designed to run on gasoline, E-85, or any mixture of the two.

Flex-Fuel Vehicle (FFV) Facts

- Flexible fuel vehicles (FFVs) are designed to run on gasoline or a blend of up to 85% ethanol (E-85). Except for a few engine and fuel system modifications, they are identical to gasoline-only models.
- FFVs have been produced since the 1980s, and dozens of models are currently available. Since FFVs look just like gasoline-only models, you may have an FFV and not even know it. To determine if your vehicle is an FFV, check the inside of your car's fuel filler door for an identification sticker or consult your owner's manual.
- FFVs experience no loss in performance when operating on E-85.
- However, since a gallon of ethanol contains less energy than a gallon of gasoline, FFVs typically get about 20-30% fewer miles per gallon when fueled with E-85.

Emergency and Safety Information



As with any vehicle, in the event of an accident with a Flex-Fuel Vehicle, you should immediately get the vehicle safely off the highway, then turn off the ignition switch and remove the key.

This will ensure that the flow of fuel is stopped at once, and will also drain power to the airbags and seat belt harnesses within **three minutes**.