

## Three reasons why driving a NYS alternative fueled CNG vehicle matters!

- Compressed Natural Gas is cleaner *and* more efficient than gasoline.

CNG provides the greatest Greenhouse Gas and emission reduction benefits of all alternative fuels currently available, and CNG does not contaminate groundwater or soil!

- Fueling with CNG reduces US dependence on foreign oil.

According to the US Energy Information Association, 84% of CNG used by the US comes from domestic sources. Imported Natural Gas comes mostly via pipelines from Canada and Mexico – more reliable sources than imported petroleum!

- CNG vehicles cost less to fuel and maintain than either gasoline or diesel vehicles.

CNG is considerably cheaper at the pump and, because CNG burns so cleanly, maintenance costs are low and the time between tune ups and oil changes are extended resulting in less engine wear and tear!



*Serving New York*

### Additional Resources:

#### **CNG - Alternative Fueling Guide:**

*(A CNG Fueling Guide is included with each CNG Vehicle purchased through OGS' Fleet Administration. Additional or updated guides can be printed off the Alternative Fueled Vehicles Program website below.)*

<http://www.ogs.state.ny.us/bu/ss/afv/default.asp>

#### **Alternative Fuel (CNG) Locator - Map/Website:**

<http://www.ogs.state.ny.us/bu/ss/afv/default.asp>

#### **Department of Energy CNG Website:**

[http://www.eere.energy.gov/afdc/afv/gas\\_vehicles.html](http://www.eere.energy.gov/afdc/afv/gas_vehicles.html)

NYS OFFICE OF GENERAL SERVICES'



presents:

## ALTERNATIVE FUELED VEHICLE ESSENTIALS: A GUIDE FOR COMPRESSED NATURAL GAS VEHICLE OPERATORS



**Alternative Fueled Vehicles Program  
37<sup>th</sup> Floor, Corning Tower  
Empire State Plaza  
(518) 473-6594  
David A. Paterson, Governor  
Carla Chiaro, Acting Commissioner**

<http://www.ogs.state.ny.us/bu/ss/afv/default.asp>

## Alternative Fueled **CNG** Vehicle Essentials



### Fueling Instruction:

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.

Turn engine OFF and remove key.

1. Remove fuel cap from vehicle.
2. Remove fueling valve from dispenser (make sure it is already in the "OFF" position).
3. Turn fueling valve to "VENT" position.
4. Connect fueling valve securely to vehicle.
5. Turn fueling valve to "ON" position.
6. Authorize fuel management system at this time (swipe fueling card, key in the mileage, etc.).
7. Push fill **START** button (green button on the side of the pump).
8. When gas flow stops (it may start and stop up to three times), push the red **STOP** button.
9. Turn the fuel valve from "FILL" to "VENT"; you will hear the gas in the hose vent to the atmosphere.
10. Disconnect the nozzle from the vehicle and put the nozzle back on the dispenser.
11. Replace dust cap on vehicle, close fuel door. **YOU ARE DONE!**

## Important Information to Consider When Driving a **CNG** Vehicle

### Planning Your Trip:

- When preparing for a trip always map out **CNG** station locations along the route you are traveling. A **CNG** Fueling Guide should be kept in the vehicle at all times. Additional copies may be downloaded from our website (see back of brochure for address).

### Range and Refueling:

- The **CNG** vehicle range is typically 200 miles, based on a full tank. The tanks do not hold as much fuel as a traditionally fueled vehicle, so the range is not as great.

### Maintenance of **CNG** Vehicle:

- Because **CNG** burns more cleanly than gasoline **CNG**-powered vehicles require less maintenance, including fewer oil changes and less frequent spark plug replacement. High-pressure tanks require periodic inspection. See *Owners' Manual for details*.

### Advantages of Using **CNG**:

- **CNG** is the cleanest-burning fuel available, is domestically produced, and can achieve up to 33% reduction in carbon monoxide emissions with a 93% reduction in nitrogen oxides.
- **CNG** emits virtually no carcinogens.
- **CNG** is colorless, tasteless and odorless, but sulfur odorants are added for safety.

## Emergency and Safety Information



In the event of an accident with a **CNG** powered vehicle (or ANY vehicle); if possible, turn off the ignition switch and remove the key. This will immediately stop the flow of fuel, and will drain the power to the airbags and seat belt harnesses within three minutes.



### **TYPES OF CNG DISPENSER NOZZLES**



TYPICAL TYPE-1 NGV1  
NOZZLE



**BLUE**                      **YELLOW**  
3000 PSI.                      3600 PSI  
TYPICAL TYPE-3  
NGV1 NOZZLE