

# QUESTIONS?

**How far can the GX go on a full tank of natural gas?** *The Civic GX has a EPA-estimated driving range of 220 to 250 miles*

**How much does the 2011 Civic GX NGV cost?** *The GX has a manufacturer's suggested retail price of \$25,090 but may cost you less*

**How long does it take to fuel a tank?** *Minimum .42 gasoline gallon equivalents (GGE) per hour with a PHILL station*

**How many gallons (GGE) of gas can the tank hold?** *8 gallons (GGE)*

**What is the miles per gallon?** *Avg. 32 mpg*

**What is the horsepower?** *113 horsepower*

**Where is the closest fast fill station?** *Milton, FL*

**Where can I find the fast fill stations?** *CNG Station Locator: Website: <http://www.afdc.energy.gov/afdc/locator/stations>*

**How do I fill up at a fast fill?** *You connect a thin rubber hose from the dispensing pump to a snap on receiving nozzle on the car. Then you rotate a valve and lift a handle on the pump. The process is just a little slower than pumping gasoline.*

**How do I fill-up using the PHILL?**

*Remove the nozzle from the PHILL unit, place receiving nozzle on the car, turn pump on and wait for fueling. Fueling will begin and continue until full or you're ready to depart.*



## Convenient & Abundant

Natural gas is produced in the United States. Eighty five percent of the natural gas used in the United States is domestically produced – making us less dependent on foreign oil. Plus, the infrastructure that gets it into our homes is already established.

Natural gas is abundant, and new technologies are being used to provide even more natural gas for future generations.

## Environmental

Compressed natural gas (CNG) is the cleanest burning alternative transportation fuel. CNG has fewer emissions than any other vehicle fuel being used today.

Unlike diesel vehicles that emit large amounts of particulate matter, natural gas is virtually particulate free.

Compared to gasoline powered vehicles, natural gas vehicles (NGVs) can reduce:

- carbon monoxide by 70 percent
- non-methane gas by 87 percent
- NOX (nitrous oxides) by 87 percent



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**Okaloosa Gas  
District**

# Natural Gas Vehicles



**...Driving into the  
Future!**

**[okaloosagas.com](http://okaloosagas.com)**

- There are about 110,000 NGVs on U.S. roads today and more than 12 million worldwide.
- There are about 1,000 NGV fueling stations in the U.S. – and about half of them are open to the public.
- In the United States, about 30 different manufacturers produce 100 models of light, medium and heavy-duty vehicles and engines.
- Natural gas costs, on average, one-third less than conventional gasoline at the pump. The U.S. Energy Information Agency reports that natural gas, on average, costs 42 percent less than diesel fuel on an energy equivalent basis and is expected to cost 50 percent less by 2035.
- In 2009, about 318,600 million cubic feet of natural gas was used for vehicle fuel, according to the U.S. Energy Information Agency.
- More than 50 different manufacturers produce 150 models of light, medium and heavy-duty natural gas vehicles and engines.
- Natural gas is sold in GGEs or gasoline gallon equivalents. A GGE has the same energy content (124,800 BTUs) as a gallon of gasoline.

## “PHILL”

### THE HOME SOURCE FOR NATURAL GAS REFUELING

1. **What is Phill?** Phill is a natural gas home refueling appliance designed for use with consumer vehicles in residential environments. Phill takes the gas from a household natural gas line, compresses it to 3600 psi and directly fills a vehicle tank.
2. **How do you use Phill?** Simply plug Phill into your natural gas vehicle receptacle when your car is not in use. Press “start” and let Phill commence refueling. Phill will automatically shut off when your tank is full.
3. **How long does Phill take to fill a Civic GX?** On average, it will take approximately 4 hours to replenish the fuel consumed in 50 miles of driving, based on a vehicle consumption rate of 30 mpg. Phill refuels at a rate of approximately 0.42 gasoline gallon equivalents (GGE) per hour.
4. **Is Phill safe?** Phill is rated as a gas appliance by CSA International. This is the same appliance rating as other gas appliances in your home and enables it to be installed inside your garage. Safety is FuelMaker’s top priority. FuelMaker has been designing natural gas refueling appliances since 1989 and Phill incorporates multiple redundant safety features including a methane detector, pressure/leak sensors and ventilating fans.
5. **How much electricity does Phill use?** Phill uses an average of 0.8 kilowatts per hour of use. This is less electricity than most small kitchen appliances.
6. **How loud is Phill?** Phill produces 45 dBa, approximately the same amount of noise as an air conditioner or clothes dryer.
7. **Is Phill designed to be installed indoors or outdoors?** Phill is designed to be installed either in a garage, a carport, or outdoors. Indoor installations require ventilation and gas detectors. If installed indoors the vehicle must likewise be parked indoors while refueling. Indoor installation and refueling can only be paired with factory made natural gas vehicles with two check valves. Converted vehicles must refuel outdoors.
8. **How long will Phill run?** Phill is designed to run for approximately 6000 hours of use at which time it can be remanufactured. This can be done a maximum of 3 times, extending its life to 24,000 hours of operation.

