



*greater Indiana*  
clean cities coalition

Fueling at Home with  
Compressed Natural Gas

Kellie L. Walsh  
Executive Director

[www.greaterindiana.com](http://www.greaterindiana.com)



# US Department of Energy Clean Cities Program

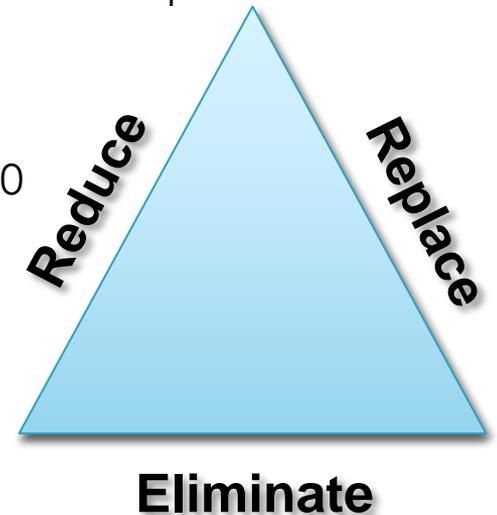
## Mission

To advance the energy, economic, and environmental security of the United States by supporting local decisions to reduce petroleum use in transportation.

## Goal

Reduce petroleum use by 2.5 billion gallons per year by 2020

- Replacement
- Reduction
- Elimination



## Accomplishments

- Displaced nearly 3 billion gallons of petroleum since 1993
- Put more than 775,000 alternative fuel vehicles (AFVs) on the road
- Installed more than 6,600 alternative fueling stations





# greater Indiana clean cities coalition

- ▶ Designated 2002
  - Originally as Central Indiana Clean Cities Alliance, originally 9 Central IN counties
  - Changed name in 2009
- ▶ Now, Leading 2/3 of IN to Green Transportation Fleet Solutions
- ▶ 150 members Strong, representing local, regional and national, Industry, Fleet and Governmental Groups working together to reduce our nation's dependence on foreign oil.
- ▶ Host to over 15 Educational and Informative Workshops Annually
- ▶ Most FREE, with Membership
- ▶ Recipient of 7 National and Local Awards Since 2007; such as,
  - Executive Director Kellie Walsh, Named Senator Lugar's First Energy Patriot
  - US DOE Clean Cities Coordinator of the Year 2007
  - Awarded over 20m in federal and state funds for coalition member projects
  - For in depth info on these projects and more:

[greaterindiana.com](http://greaterindiana.com)

# CNG Vehicles and the Environment

## Public Health and Environment

- ▶ Lower greenhouse gas (GHG) emissions
- ▶ Lower particulate pollution
- ▶ Lower carcinogens

## Energy Security

- ▶ Plentiful in U.S.
- ▶ Existing infrastructure

## Driving Range

- ▶ Shorter than gasoline
- ▶ Comparable power and speed

## Deployment

- ▶ Proven and established
- ▶ 114,000 natural gas vehicles in U.S. in 2008



# On the Road with Compressed Natural Gas (CNG)

## Dedicated Natural Gas Vehicles (NGV)

- ▶ Run only on natural gas
- ▶ Better performance
- ▶ Lower emissions
- ▶ Increased cargo capacity

## Bi-fuel NGVs

- ▶ Two fueling systems
  - Natural gas
  - Gasoline
- Fueling flexibility



# CNG Vehicle Fueling Options



## Offsite, Public Access

- ▶ Operated by retailer, utility, or fleet
- ▶ Anchor fleet or pool of multiple fleets

## Onsite, Public Access

- ▶ Often located outside of restricted areas
- ▶ Benefit from economy of scale
- ▶ Promotes public use of NGVs



# CNG Vehicle Fueling at Home Option



- ▶ PHILL Home CNG Fueling
  - Must have natural Gas in Home
  - Unit Price \$4,500
  - Plus Installation
- ▶ Simple to operate; start, and stop buttons,
- ▶ Slow-fill = Fuels Overnight
- ▶ Compared Pump Price, CNG is \$2.25 cheaper a GGE
- ▶ Bills on your home gas statement

## CNG Public Fueling:

- Indianapolis – 3
  - Evansville – 1
- ▶ **Target Locations**
- Eastside of Indy
  - Ft. Wayne
  - Lafayette/West Lafayette
  - Anderson
  - Fishers/Carmel



# Greater Indiana clean cities coalition

U.S. DEPARTMENT OF ENERGY | Energy Efficiency & Renewable Energy

EERE Home | Programs & Offices | Consumer Information

## Clean Cities

HOME ABOUT COALITIONS FINANCIAL OPPORTUNITIES INFORMATION RESOURCES COORDINATOR TOOLBOX NEWS EVENTS

EERE » Clean Cities

### Building Partnerships to Reduce Petroleum Use in Transportation

Clean Cities advances the nation's economic, environmental, and energy security by supporting local actions to reduce petroleum consumption in transportation. A national network of nearly 100 Clean Cities [coalitions](#) brings together stakeholders in the public and private sectors to deploy alternative and renewable fuels, idle-reduction measures, fuel economy improvements, and emerging transportation technologies.

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**NEWS**

DOE and USDA Award \$47 Million in Biomass Research Grants  
May 11, 2011

USDA Announces Project to Develop Next-Gen Biofuels

**Find My Local Coalition**

Coalition Contacts  
Program Contacts

Find Clean Cities funding opportunities

ABOUT CLEAN CITIES RESOURCES  
Goals & Accomplishments [Alternative Fuels & Advanced Vehicles Data Center](#)

U.S. DEPARTMENT OF ENERGY | Energy Efficiency & Renewable Energy

## Alternative Fuels & Advanced Vehicles Data Center

About the AFDC | Fuels | Vehicles | Fleets | Incentives & Laws | Data, Analysis & Trends | Information Resources

The Alternative Fuels and Advanced Vehicles Data Center (AFDC, formerly known as the Alternative Fuels Data Center) provides a wide range of information and resources to enable the use of alternative fuels (as defined by the Energy Policy Act of 1992), in addition to other petroleum reduction options such as advanced vehicles, fuel blends, idle reduction, and fuel economy.

This site is sponsored by the U.S. Department of Energy's [Clean Cities](#) initiative.

**Alternative Fuel Portals**

- Biodiesel
- Electricity
- Ethanol
- Hydrogen
- Natural Gas
- Propane

**More Fuels Information**

**Select Vehicle Information**

- Conversions
- Emissions
- Fuel Economy
- HEVs
- Plugs
- TEVs

**More Vehicle Information**

**Quick Links to AFDC Tool**

- Light-Duty Vehicle Search
- Heavy-Duty Vehicle Search
- Alternative Fueling Station Search
- Incentives & Laws
- Publications Search
- State Information

**Data, Analysis, and Trends**

Our [Data, Analysis, and Trends](#) section provides industry trends and facts based on data analysis.

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www.fueleconomy.gov

United States Department of Energy  
Energy Efficiency and Renewable Energy

United States  
Environmental Protection Agency

Links | FAQ | Site Map | Search | Contacts

**FIND AND COMPARE CARS...**

Gas mileage (MPG), greenhouse gas emissions, air pollution ratings, and safety information for new and used cars and trucks

- Compare Side-by-Side
- Advanced Search

**YOUR MPG ...**

**Why is fuel economy important?**  
Climate Change  
Strengthen National Security

**Diesel Vehicles**  
Tax Incentives  
Biodiesel

**Gas Mileage Tips**  
Driving More Efficiently  
Drive Smarter Challenge

**Hybrid Vehicles**  
How Hybrids Work  
Tax Incentives

**Videos**  
Extreme MPG  
Motorweek Videos

**Alternative Fuel Vehicles**  
Flex-Fuel Vehicles

**CARS**  
car allowance rebate system

Trade in your old, inefficient vehicle for a new, more efficient one.

Also known as the "Cash for Clunkers" Program

**In the News...**

Electric Cars' MPG Conundrum - BusinessWeek  
More Are Hired to Speed Up the Clunker Reimbursements - The New York Times  
Scion dealers say tiny iQ is coming in 2010 - AutoWeek

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