



Clean Cities Program Overview

Fall 2010

Contact Information:

Mike Bednarz, Project Officer, NETL

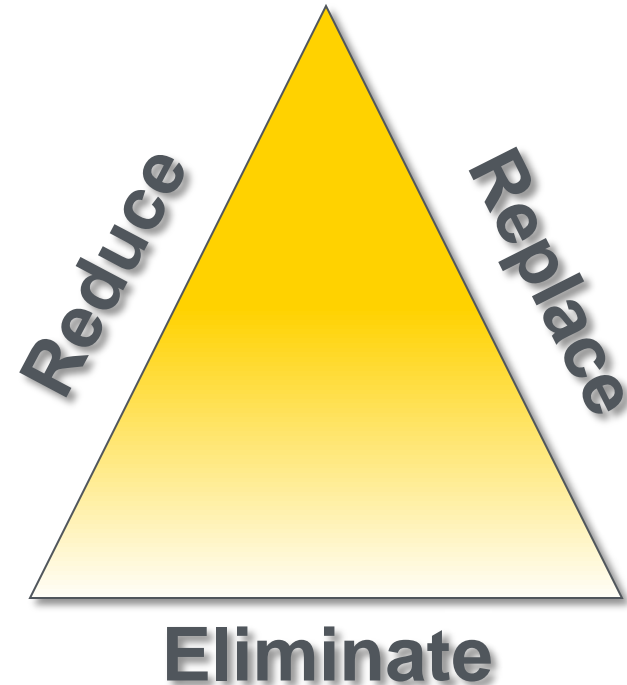
The [Department of Energy's](#) mission is to advance the national, economic, and ***energy security*** of the U.S; to promote ***scientific and technological innovation*** in support of that mission; and to ensure the environmental cleanup of the national nuclear weapons complex.

The [Clean Cities'](#) mission is to advance the energy, economic, and environmental security of the U.S. by supporting local decisions to adopt practices that contribute to the reduction of petroleum consumption in the transportation sector.



U.S. DEPARTMENT OF
ENERGY

- **Replace** petroleum with alternative fuels and low-level blends.
- **Reduce** by promoting energy efficiency in vehicles through advanced technologies and more fuel efficient vehicles.
- **Eliminate** by promoting idle reduction, greater use of mass transit, trip elimination, and other congestion mitigation approaches.



- 87 active coalitions in 45 states
- 632,000 AFVs using alternative fuels
- 5,600 AFV stations
- 6,500+ stakeholders



Coalitions are made up of local and national stakeholders.

- Over 4,000 local stakeholders
- 49% private stakeholders



- The Clean Cities program, and local coalitions in particular, provides information and resources to stakeholders and the general public enabling them to make informed decisions.
- Education and outreach are important activities for coalitions as well as the ability to leverage funding from public and private resources.
- Clean cities:
 - ✓ Creates jobs and commercial opportunities
 - ✓ Educates fleets, elected officials, and the general public
 - ✓ Encourages the use of alternative technologies
 - ✓ Expands infrastructure
 - ✓ Increases demand and help develop market-driven products
 - ✓ Increases public awareness
 - ✓ Supports regulated fleets

Five technology areas supported by the Clean Cities program

1. Alternative Fuels & Vehicles

- Biodiesel (B100)
- Electricity
- Ethanol (E85)
- Hydrogen
- Natural gas
- Propane

2. Fuel Blends

- Biodiesel/diesel blends (B2, B5, B20)
- Ethanol/gasoline blends (E10)
- Hydrogen/natural gas blends (HCNG)

3. Fuel Economy

- Fuel efficiency
- Behavioral changes
- Vehicle maintenance initiatives
- Vehicle miles traveled (VMT)

4. Hybrids

- Light- and Heavy-duty HEVs
- PHEVs

5. Idle Reduction

- Heavy-duty trucks
- School buses
- Truck stop electrification

Clean Cities Web Resources



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

Clean Cities

About the Program | Coalitions | Coordinator Toolbox | Financial Opportunities | Information Resources

Search Help | More Search Options | EERE Information Center

NEWS

Clean Cities strives to advance the nation's economic, environmental, and energy security by supporting local decisions to adopt practices that contribute to the reduction of petroleum consumption. Clean Cities has a network of approximately 90 volunteer coalitions, which develop public/private partnerships to promote alternative fuels and advanced vehicles; fuel blends, fuel economy, hybrid vehicles, and idling reduction.

Clean Cities is part of the Office of Energy Efficiency and Renewable Energy's [Vehicle Technologies Program](#).



- Select Coalition-Related Information**
- Starting Coalitions
 - Coalition Locations
 - Program Contacts
 - Coordinator Contacts

What is Clean Cities? Fact Sheet (PDF 2 MB) | Download Adobe Reader

Printable Version

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

Search Help | More Search Options | Site Map | EERE Information Center

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, idling reduction, and fuel economy.

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



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

Printable Version

www.fueleconomy.gov

Links | FAQ | Site Map | Search | Contacts

United States Department of Energy | Energy Efficiency and Renewable Energy | United States Environmental Protection Agency

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 \$marter 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

Disclaimer | More News

Clean Cities

AFDC

FuelEconomy.gov

Recent Funding Opportunities

Clean Cities FY09 Petroleum Reduction Technologies
DE-PS26-09NT01236-00

Clean Cities Projects for the Transportation Sector

Area of Interest 1-3:

\$13.6 million of Federal funds covered projects for:

- Infrastructure
- Vehicles
- Educational

West Coast Infrastructure Projects

The National Biodiesel Foundation (NBB) will install seven biodiesel blending terminals and provide biodiesel to distributors in **California**, New Jersey, Pennsylvania, Illinois, Texas, and Virginia.

Temecula Valley Unified School District will install CNG dispenser to support the district's fleet conversion from diesel to CNG buses.

SCAQMD will install new liquefied natural gas storage tank and dispenser at the Los Angeles / Ontario International Airport.

West Coast Vehicle Projects

Clean Energy will purchase 71 CNG vehicles for airports in **Los Angeles**, Atlanta, Austin, Dallas, Houston, San Antonio, and Santa Ana.

SCAQMD will manage an incentive buy-down program for CNG taxicabs and shuttle vans serving the California South Coast Basin.

The Regents of the University of California and University of California-San Diego will purchase five electric hybrid CNG microturbine buses to support campus commuters.

West Coast Education Projects

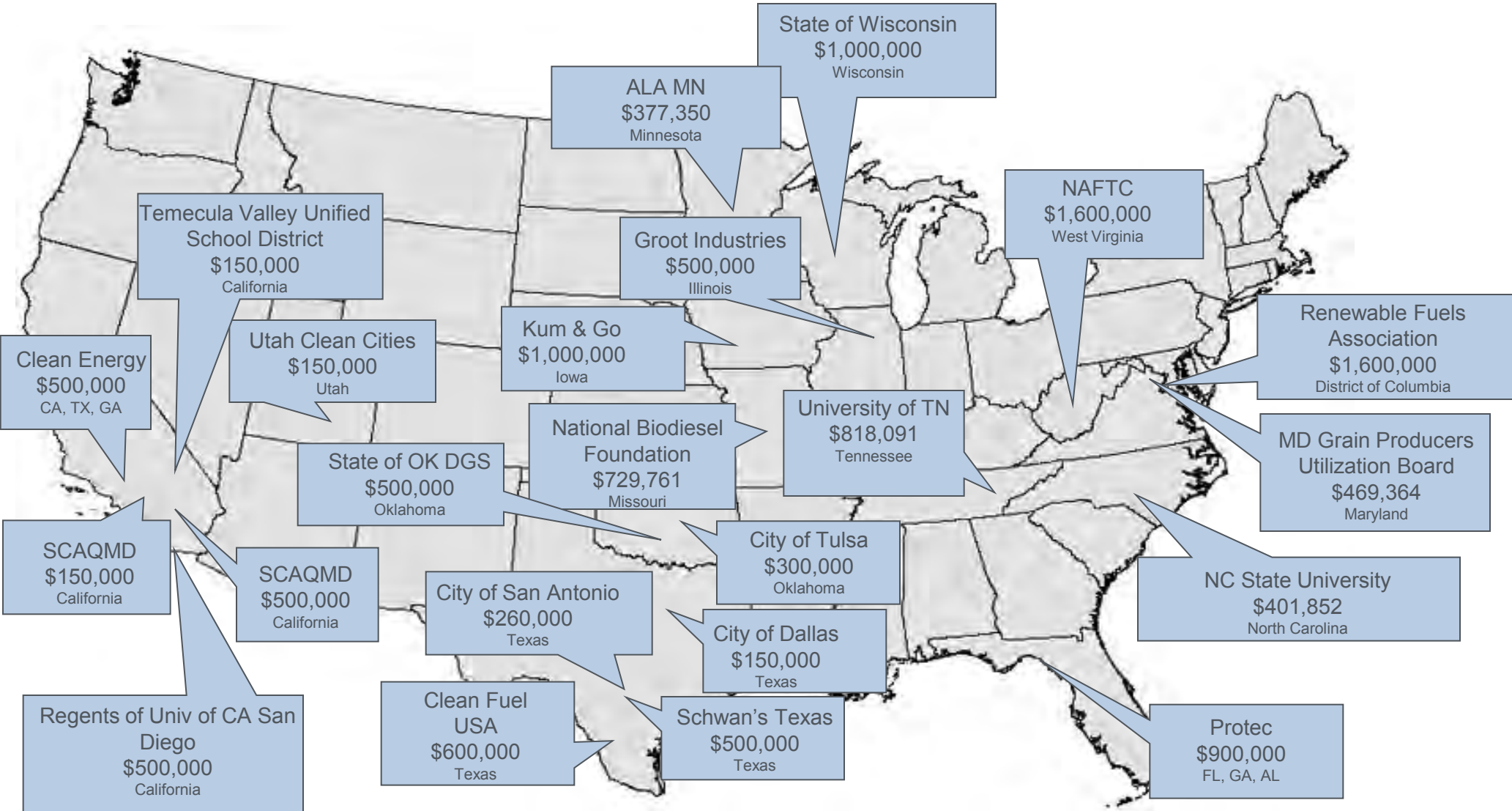
North Carolina State will hold 48 workshops across the country to raise awareness about alternative fuels and advanced transportation technologies.

West Virginia University Research Corp. (NAFTC) will support Odyssey Day events and develop classroom materials.

The Alternative Fuel Trade Alliance (RFA, NBB, the Clean Vehicle Education Foundation, and the Propane Education and Research Council) will host 45 Alt Fuel training workshops. Locations include:

- Antelope Valley, San Diego, and others TBD

Clean Cities FY 09 Awards Geographical Distribution (AOI #1-3)



Clean Cities Projects for the Transportation Sector

Area of Interest 4:

\$300 million of Federal funds covered projects for:

- Infrastructure
- Vehicles
- Education

West Coast Projects

SCAQMD will build LNG station in Las Vegas and deploy 48 HD LNG Trucks for UPS.

SCAQMD will manage an incentive buy-down program for over 200 HD LNG Drayage trucks serving the ports of LA & Long Beach.

SANBAG will deploy over 200 natural gas trucks for Ryder Truck in Southern CA. They'll will make public two LNG/CNG fueling stations in Orange and Rancho Cucamonga.

West Coast Projects

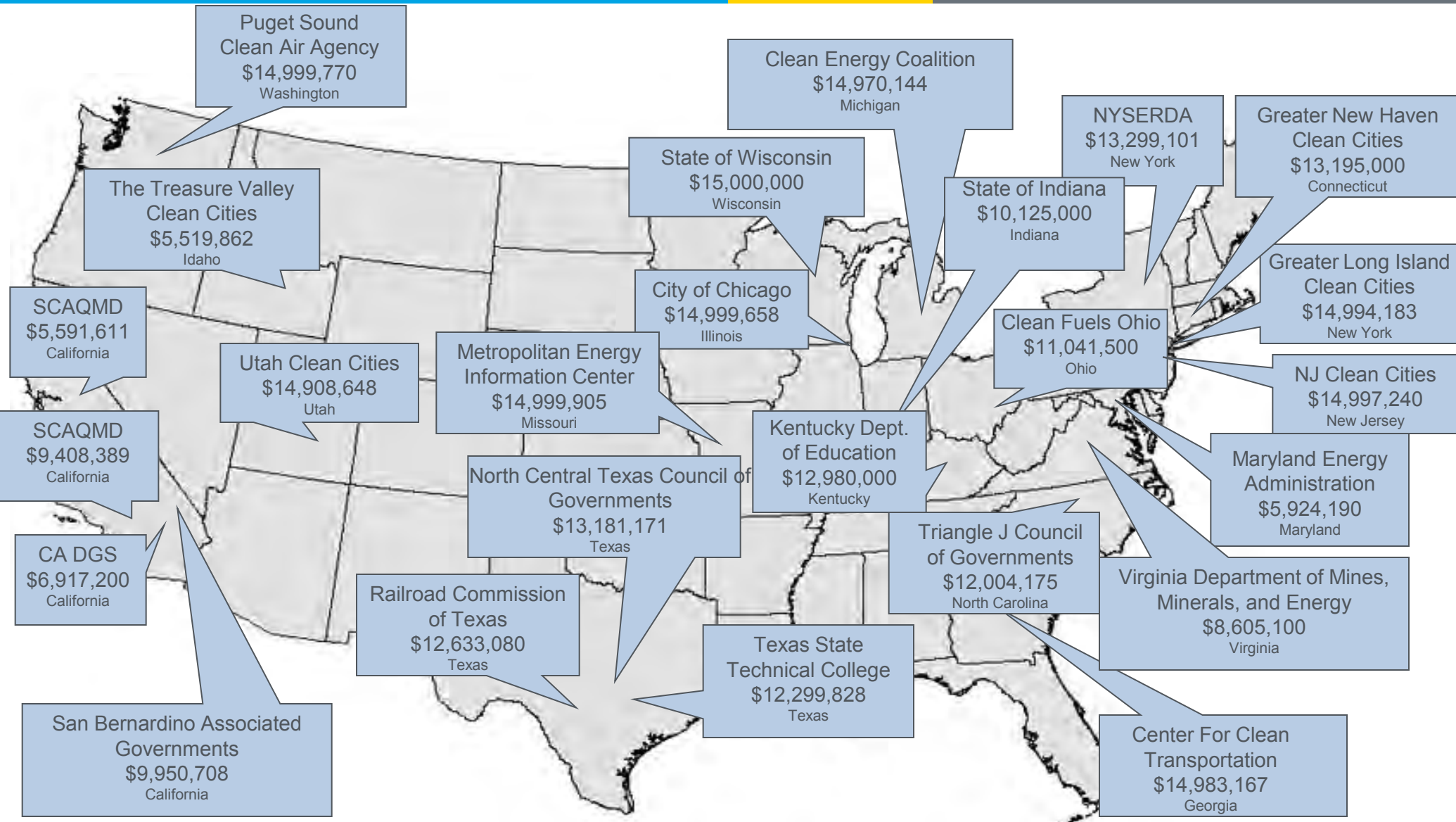
California Department of General Services will use Propel Fuels to provide E85 and Biodiesel at 75 public locations in CA.

Puget Sound Clean Air Agency will harness biogas made from waste products and solar energy to power electric vehicles.

Treasure Valley Clean Cities Coalition will deploy 28 HD CNG trucks and make available to the public CNG at two fueling stations.

Clean Cities Recovery Act Awards

25 Projects ~\$300M DOE ~\$500M Cost Share



Clean Cities: Next Funding Opportunity FY11 & FY12

Budget History

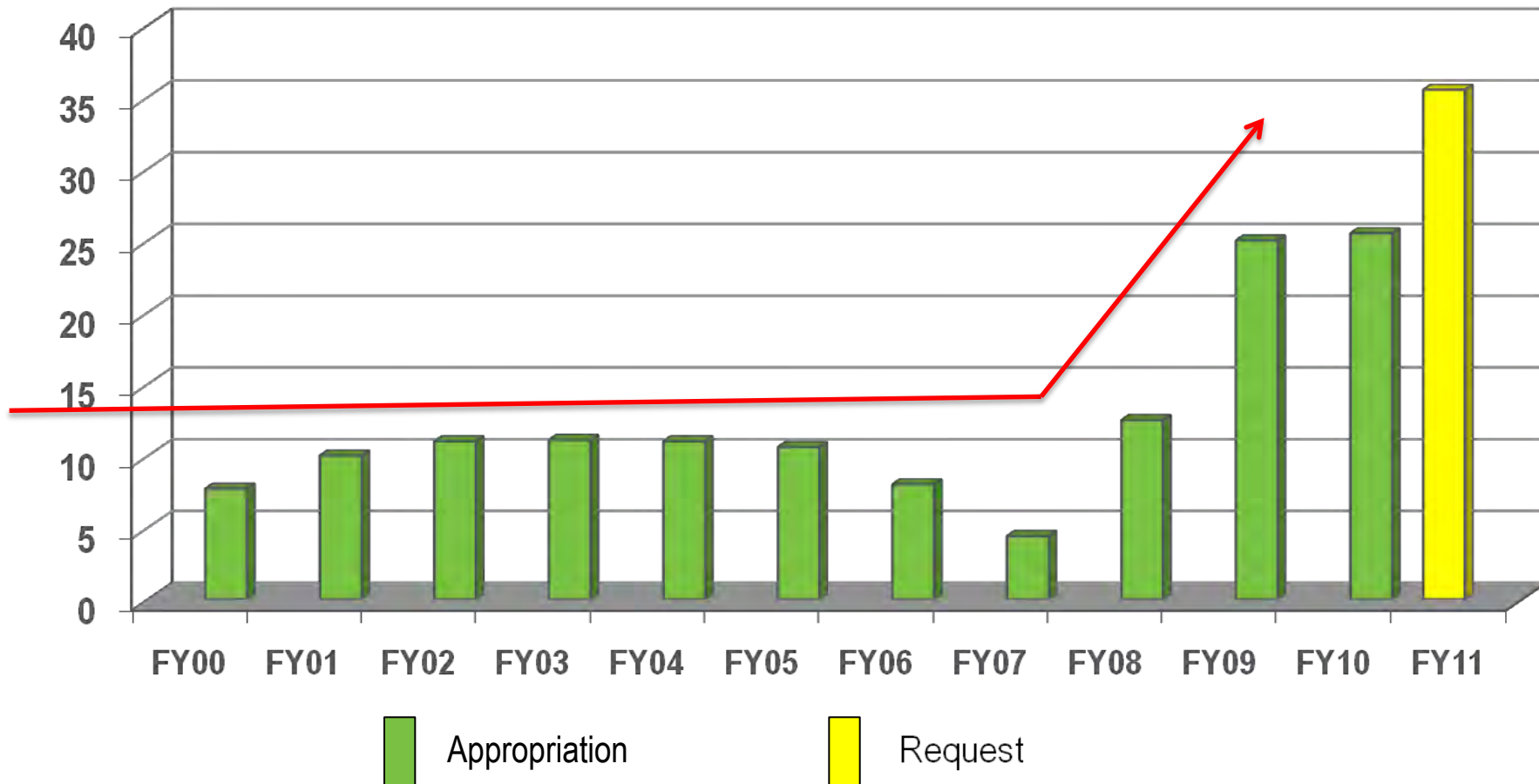
(not including \$300M funding from ARRA)



Clean Cities Budget

* ARRA \$300M is > 200% of the Clean Cities budget spent in the last 10 years

\$ Millions



FY 11 Proposed Clean Cities Budget language and the next Solicitation

- Proposed FY 2011 funding of \$35.5 million includes \$20 million for support of transportation electrification-related infrastructure activities.
- These efforts include market analysis that will identify communities and Regions where aggressive infrastructure deployment efforts will have the greatest chances for success and determine which technologies and vehicle charging systems are market ready, practical, and safe for widespread introduction.

FY 11 Proposed Clean Cities Budget language and the next Solicitation

- Technical and financial assistance programs will be developed to accelerate the introduction of these technologies, and targeted consumer education and outreach efforts will focus on helping drivers and fleet operators choose electric-drive vehicles and charging systems that best suit their needs while also training the support-service providers that will be needed to install, maintain, and repair these systems.
- Activities supporting codes and standards that facilitate the introduction of electric drive vehicles and infrastructure will also be conducted.

Potential Funding Categories for FY 11 Solicitation

1. **Infrastructure for Alternative Fuels:**

- fund a percentage of the infrastructure cost associated with developing alternative fuel fueling capability.

2. **Incremental Cost of Alternative Fuel Vehicles**

- fund a percentage of the incremental cost associated with purchase of dedicated alternative fuel vehicles and/or advance technology vehicles.

3. **Category du jour**

- Electrification activities (which may be included in the above or separately)

Potential Schedule for FY 11 Clean Cities Program Solicitation

1. NETL will have Project Management and Administrative oversight
2. Estimated Date to Issue Solicitation: Dec 2010- Jan 2011
3. Estimated Due Date For Proposals: Feb 2011- Mar 2011
4. Estimated Award Date: Summer 2011
5. Estimated Funding Available: \$24-30 million in DOE funds over 2 year funding period (i.e. \$12-15 million in FY 11 funds & \$12-15 million in FY 12 funds).

Note: *All funding estimates are contingent upon final Federal budget appropriations for FY11 and future fiscal years.*

Staff at the National Energy Technology Laboratory (NETL) Project Management Centers offer guidance to coordinators in their regions, monitor regional coalition activities, and foster relationships between coordinators in neighboring states.

Mike Bednarz

Mike is the Clean Cities Project Manager for the Western Region and point of contact for Clean Cities' coalitions in *California and Hawaii*. His responsibilities include facilitating the efforts of the Clean Cities coalitions to increase the use of alternative fuels and vehicles through the development of public-private partnerships. Along with traditional project management duties, Mike facilitates technology deployment strategies, evaluates proper alternative fuel technologies, determines resource availability, provides technical assistance, contributes areas of expertise, and supports transportation market transformation activities.

Mike presented at national conferences such as the Alternative Fuel Vehicle Institute (AFVI) and National Biodiesel Board (NBB), as well as regional meetings such as the United States Environmental Protection's West Coast Diesel Collaborative in 2007 and 2008. At the National Energy Technology Laboratory, Mike also serves as the lead for the project management center's communication support services team.

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West Virginia



Pennsylvania



Southern California Region Clean Cities Coordinators



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Co-Coordinator
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Southern California Region Clean Cities Coordinators



Western Riverside County
Clean Cities Coalition
Co-Coordinators
Website: <http://www.wrcog.cog.ca.us/>



Los Angeles Clean Cities Coalition
Coordinator
Website:
<http://www.environmentla.org/Clean%20Cities/cleancitieshome.htm>

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Important Web Sites and Resources



Clean Cities Web site

www.eere.energy.gov/ccities

Alternative Fuels & Advanced Vehicles Data Center Web site

www.eere.energy.gov/afdc

Clean Cities Coordinator Contact Information and Coalition Web sites

<http://www.afdc.energy.gov/cleancities/progs/coordinators.php>

DOE EERE Information Center and Technical Response Service

Web Site: <http://www.eere.energy.gov/afdc/informationcenter.html>

Phone: 1-800-EERE-INF (1-877-337-3463)

Email: technicalresponse@icfi.com

Hours: 9:00 a.m. – 6:00 p.m. EST

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**Thank you for the opportunity to
share our success stories. . .**

Do you have any questions ???

Looking forward in Seeing you

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**EPA Clean Diesel 10 October 19-20,
2010 in Washington, DC**