Clean Cities Mission

To advance the energy, economic, and environmental security of the U.S. by supporting local decisions to reduce petroleum and emissions in transportation.

• Sponsored by the DOE’s Office of Energy Efficiency and Renewable Energy's Vehicle Technologies Office
• Companion program to the EPACT mandates requiring certain fleets to acquire AFVs (Federal, State, and Fuel Provider Fleets)
• Provides a framework for businesses and governments to work together as a coalition to enhance markets
• Major Emphasis: Deployment of alternative fuels and advanced vehicle technologies (i.e. vehicles and fueling infrastructure)
• Program Goal: Reduce U.S. petroleum use by 2.5 billion gallons per year by 2020
Alternative Fuels and Vehicles

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

Hybrids

- Light- and Heavy-duty HEVs
- PHEVs

Fuel Economy

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

Idle Reduction

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

Fuel Blends

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

Leveraging national policies and resources at the local level to facilitate change

**Local**
Franchise model - coalitions adapt consistent approaches and messages to local market conditions and priorities

**National**
Conduct mass media and online outreach for consumers and fleets
Provide unbiased tools and experts for technical assistance
Develop national partnerships with industry and corporate fleets
Provide financial assistance to incentivize private investment
Local Community Partnerships: National Network of Coalitions

~100 coalitions serving 80% of the US population

Thousands of stakeholders from businesses, city/state governments, transportation industry, community based organizations, utilities and fuel providers
Local Community/Coalition Support: DOE helps convene key community and business leaders to develop and implement projects, leverage resources, and address local barriers.

Public Information, Outreach, and Education: DOE-developed tools help consumers save money on fuel cost and help fleets understand their options for cost-effective alternatives to gasoline and diesel fuel.

Technical & Problem Solving Assistance: DOE experts help local leaders address permitting and safety issues, technology shortfalls, and other project implementation barriers.

(1) Local Community / Coalition Support: Project Development
(1) Local Community / Coalition Support: Develop/Strengthen Local Markets

- Identification of potential fleet and funding partners
- Connecting fleets with fuel providers and industry partners, promoting INDIANA.
- Facilitating Infrastructure development projects
- Training and information
- Technical assistance
- Education and outreach to decision makers, fleets, and the public
- Coordination with key community and business leaders
- Collecting data and tracking progress
Non-biased source of VT data and information
Fuel Economy Guide (FE.gov), Alt-Fuel Data Center (AFDC)
On-line tools and cost calculators, other web resources
Fact Sheets, publications, handbooks, success stories
Technical Response Service and Hotline
Public workshops, webinars, industry technical conferences
(3) Technical and Problem Solving Assistance

- Capture lessons learned and develop best practices
- Technical Forums and User Groups and National Partnerships
- Address unforeseen permitting and safety issues
- Identify chronic vehicle or infrastructure field problems
- Incident investigations (technology failures)
Clean Cities Stakeholders Facilitate Alt Fuels Deployment Across Multiple Modes

Clean Cities

Rail

Water

Road

Air
Clean Cities Stakeholders Facilitate Alt Fuels Deployment Across Multiple Modes

Clean Cities Supports Vehicle Deployment & Fueling Infrastructure Development:
- Transit
- Long Haul/ Regional Haul/ Delivery
- Government
- Anchor Fleets: Refuse, Taxis
- General Public Passenger Vehicles: EV & E85, Propane, CNG
- Identification of Funding Sources: DOE, DOT CMAQ, EPA, State, etc.
Clean Cities Stakeholders Facilitate Alt Fuels Deployment Across Multiple Modes

Clean Cities Supports Vehicle Deployment & Fueling Infrastructure Development:
- Ground Support Equipment
- Airport Ground Fleet/Circulator Buses
- Passenger Shuttles/Taxi
- Identification of Funding Sources: DOE, FAA VALE, EPA, State, etc.
Clean Cities Stakeholders Facilitate Alt Fuels Deployment Across Multiple Modes

Clean Cities Stakeholders Supports Various Deployment Projects:
- CNG/LNG/Biodiesel use in locomotives
- LNG use in ships
- Idle Reduction/Shorepower
- Ports: Various Technologies Being Deployed
- Identification of Funding Sources: DOE, CMAQ, MARAD, EPA, State, etc.
• **FAST Act**
  • Signed by President Obama on December 4, 2015
  • First long-term authorization act in a decade
  • Result of bipartisan cooperation and compromise
  • Provides 5 years of funding certainty for infrastructure planning and investment
  • Authorizes $305 B (all modes) over FY 2016-2020
  • $70 B in transfers to keep the Highway Trust Fund solvent; fully “paid for” (offset) by unrelated savings
$305 B (all modes) over FY2016-2020 Program

5-Year Funding (billions)

- Federal Highway Administration $226.3
- Federal Transit Administration 61.1
- Federal Motor Carrier Safety Administration 3.2
- Pipeline and Hazardous Materials Administration 0.4
- National Highway Traffic Safety Administration 4.7
- Federal Railroad Administration 10.3
- Total 305.0
• FAST Act Section 1413: Alt Fuel Corridors
  – **Requirements:** Designation of national electric vehicle, hydrogen, propane, and natural gas fueling corridors within one year of enactment (Dec. 2016)
  – Corridor designations should identify near-and long-term need for, and location of fueling infrastructure and standardization needs for the above fuels
  – DOT must update and re-designate the corridors within five years of establishing the initial corridors, and every five years thereafter
  – DOT must solicit nominations for corridors from State and local officials and involve a range of stakeholders
  – **Important Details: No specific funding included for implementation/designations**
  – FHWA will identify actions that could add value (e.g. workshops, technical assistance, etc.)
  – CMAQ funding priority will be given to designated corridors (EV and CNG)
Current Opportunities

- **Midwest Drives** – Opportunity for Business or Government Entity to test an alternative fueled vehicle. Sign Up Today
- **Green Fleet** – Opportunities for grants/greening of fleets throughout Northern Indiana.
  - --(School Bus Heater Program $ 200 k)
- **RSC CADER Program** – Spencer County/Evansville =$ 150 k
- **Diesel Wise Across Indiana**
- **Hoosier Homegrown Fuel Blender Pump Grant**
- **Indiana Clean Community Challenge Grant**
- **NIPSCO EV Charging Station Program Incentive**
- **DOE – National Park Grant Opportunity**
What we do!

- SSCC worked with our partners to bring over $10 million in grant funding in 2015.
- Our goal is to have each and every community and business GREEN.
- Education – We are the resource for GREEN!
- Collaboration, working with ALL to assist in moving green and reducing carbon footprint
- Celebration – finding organizations/individuals doing things right
- Green Radio Network – AM1420 WIMS RADIO
- LET US BE YOUR RESOURCE!
GET INVOLVED

- Analysis & Planning
- Taxes & Grants/Incentives
- Market Research
- New Vehicle/New Technology Identification
- Policies and Procedure Development
- Demonstrations for Members
- Economic Development
- Mechanic Training
- Financing Opportunities
- Specification Development
- GREEN – SOLAR/WIND/RENEWABLES/BUSINESS ENERGY
EVENTS

- May 19th –Green Drive$ Conference -Lake Michigan Consortium (Naperville Illinois)
- May 19th –State of Indiana Hoosier Homegrown Celebration
- June 1st – Reducing the Environmental Footprint of Road, Facility & Fleet Maintenance Activities
- GREEN FLEET SUMMER TOUR –EVENTS THRU DEC 16
  (Events will cover Propane, Electric, CNG, Bio Products, Shop Safety, First Responder Training)
- 100 Year Celebration of the National Parks
- 200 Year Anniversary of Indiana
- Midwest Drives Event Across Indiana
For More Information

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Alternative Fuels and Advanced Vehicles Data Center: www.afdc.energy.gov
Fuel Economy: www.fueleconomy.gov

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