Clean Cities and State Energy Offices – Collaborative Relationships

September 2016
Clean Cities Mission

Energy, Environment, and Economic Security

Driving Sustainability with Clean Fuels and Advanced Vehicles
Clean Cities Goals and Accomplishments

**1,000,000,000 Gallons Saved Annually**

**Annual Clean Cities Petroleum Reduction**

- Clean Cities has displaced 7.5 billion GGE cumulatively from 1993-2014
- Goal to reduce petroleum by 2.5 billion GGE annually by 2020

In 2014 alone, the program:

- Reduced petroleum use by 1 billion GGE
- Prevented 6.6 million tons of greenhouse gas emissions (Equivalent to removing 1.5 million cars from the road)
- Put over 600,000 alternative fuel vehicles on the road

Clean Cities: Reducing America’s Oil Dependency A Billion Gallons at a Time
National Level – 5 Major Activities

- Consumer Information, Outreach, & Education
- Technical & Problem Solving Assistance
- Coalition Training and Stakeholder Coordination
- Identification & Tracking of Essential Program Metrics
- Competitively-Awarded Financial Assistance
AFDC Tools

**Calculators**
- **Vehicle Cost Calculator**
  Compare cost of ownership and emissions for most vehicle models.  
  [mobile]
- **Petroleum Reduction Planning Tool**
  Create a plan for your fleet to reduce petroleum consumption and emissions.
- **CNG VICE Model 2.0**
  Evaluate ROI and payback period for natural gas vehicles and infrastructure.
- **AFLEET Tool**
  Calculate a fleet’s petroleum use, cost of ownership, and air pollutant and GHG emissions.
- **JOBS Model**
  Estimate economic impacts of natural gas, hydrogen, or fuel cell infrastructure.

**Interactive Maps**
- **Alternative Fueling Station Locator**
  Locate alternative fueling stations and get maps and driving directions.  
  [mobile]
- **TransAtlas**
  Analyze vehicle densities and locations of fueling stations and production facilities.
- **BioFuels Atlas**
  Compare feedstocks and analyze biofuel production by location.
- **Truck Stop Electrification Sites**
  Locate truck stops with electrification sites to reduce the need for idling.  
  [mobile]
- **Coalition Locations**
  Find Clean Cities coalitions and contact information for coordinators.

**Data Searches**
- **Vehicle Search**
  Compare all classes of alternative fuel vehicles, electric vehicles, and hybrids.
- **Laws and Incentives Search**
  Search for laws and incentives related to alternative fuels and advanced vehicles.
- **Fuel Properties Comparison**
  Compare alternative fuel properties and characteristics.
- **Find a Car**
  Compare fuel efficiency, costs, carbon footprints, and emissions.  
  [mobile]
- **State Information**
  Find state information about alternative fuels and advanced vehicles.

www.afdc.energy.gov/tools
Finding the Local Clean Cities Coordinator

https://cleancities.energy.gov/coalitions/locations/

Ocean State Clean Cities

The Ocean State Clean Cities works with vehicle fleets, fuel providers, community leaders, and other stakeholders to reduce petroleum use in transportation.

Contact Information

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75 Lower College Rd
Kingston, RI 02881

Coalition Website

Wendy Lucht

As Ocean State Clean Cities Coordinator hosted at the University of Rhode Island (URI) Outreach Center, Wendy Lucht has helped with many alternative fuel projects within the state. She was instrumental in the launch of the state Electric Vehicle Charging Network, and has served on the state Transportation Energy Working Group helping the state to lead by example with the use of alternative fuels. She has represented the Northeast coalitions on the Clean Cities Council.

Prior to becoming Clean Cities Coordinator in 2008, Lucht was a Budget Analyst at the URI Budget Office, and a Manager at The Bay Institute of San Francisco. She has a Master’s degree in Public Administration with a
Alabama Clean Fuels Coalition

Alabama Energy Division

1. Clean Cities worked with Alabama Energy Division on **I-65 biofuels corridor**

2. Clean Cities worked with AED to use **ARRA funding for transportation projects**

3. Clean Cities advising state on how to **obtain transportation funding**
Central Coast Clean Cities

California Energy Commission

1. Coalition works with CEC on transportation grant applications

2. CEC uses coalition as source of technical assistance

3. Collaborated on electric vehicle and alternative fuel readiness projects

4. Collaborated on electric vehicle charging program to promote to applicants
Colorado Clean Cities (3 Coalitions)

Colorado Energy Office

1. CEO and coalitions partner on **shared core mission** to communicate it with the public

2. Coalitions help **build and manage relationships** that CEO cannot

3. Coalitions working **directly with fleet managers**

4. CEO and coalitions collaborating on **REFUEL COLORADO**
Greater Indiana Clean Cities Coalition

**Office of Energy Development**

1. Indiana Office of Energy Development is **found member** of coalition
2. Coalition assists OED with **grant writing**
3. Several successful OED/Clean Cities **collaborative projects**
4. Now jointly exploring **electric vehicle tourism corridor** project
Iowa Clean Cities Coalition

Iowa Energy Division

1. Coalition housed within the Energy Division

2. Clean Cities tools and data driven approaches have helped the state with proposals

3. Clean Cities members provide input to Energy Division for energy planning
Louisiana Clean Cities

DNR Technology Assessment Division

1. Coalitions managing Louisiana Alternative Fuels Conference once done by LA DNR

2. LA DNR supported improved websites for coalitions

3. LA DNR assists coalitions with funding and office space

4. Coalitions promote LA DNR funding and tax credit programs
Massachusetts Clean Cities

Department of Energy Resources

1. Clean Cities coordinator is employee of DER, spends all of his time on Clean Cities

2. Clean Cities serves as technical resource to answer questions

3. Clean Cities relationship enabled EV-Everywhere infrastructure study in MA

4. DOE Clean Cities relationship brings credibility
1. Coalition answers technical questions from SEO loan program stakeholders

2. Long-term funding relationship between coalitions and SEO

3. Annual collaboration on multiple meetings and events
Ocean State Clean Cities

Office of Energy Resources

1. Coalition works closely with SEO as a **virtual team member**

2. Collaboration on ARRA funding for **electric vehicle charging**

3. Collaboration on reaching **zero emission vehicle MOU goals**

4. Collaboration on **events** such as National Drive Electric Week
East Tennessee Clean Fuels Coalition

Office of Energy Programs

1. OEP consults coalition for **information** on transportation-related energy activities

2. **Joint events and awards** with OEP and coalition

3. Promote **state incentive programs** for alternative fuels

4. OEP is a **coalition member**
Virginia Clean Cities

Division of Energy

1. Coalition helps Division of Energy **administer grants and tax credits**

2. Assist with **outreach and education** on alternative fuels, grants, and tax credits

3. Work with state to **obtain grant funding and secure cost share**

4. Provide **technical support** to alternative fuel stakeholders
Wisconsin Clean Cities

1. Coalition now statewide and **aligns with Office of Energy Innovation activities**

2. Collaborated on **roundtable meetings** on natural gas and propane

3. Jointly **facilitate the collaboration** of stakeholders in the state to encourage alternative fuel market

**CNG USE IN WISCONSIN**

- **37x growth 2010-2015**

- **Million GGE**

- **2010**
- **2011**
- **2012**
- **2013**
- **2014**
- **2015**
Conclusions

• Clean Cities and State Energy Offices have a long standing relationship in many areas of the country

• Clean Cities and State Energy Offices work very closely together
  – Outreach and education
  – Project planning
  – Technical assistance

• Working toward common goals of efficiency, greenhouse gas reduction, and energy security

• Future collaborations to include collaboration on VW settlement funding to coordinate with states and with NASEO.