Tools, Information, and Assistance: Resources for States

Ann H. Brennan, Group Manager
Center for Transportation Technologies & Systems

State Biofuels Workshop
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Outline

• DOE/NREL Resources
  – FreedomCAR: Clean Cities
  – FreedomCAR: EPACT
  – WIP: Technical Assistance Project
  – Biomass: Program website
  – Coming soon

• Other agencies

• Other organizations
Clean Cities: National Petroleum Displacement through Local Implementation

- 90 coalitions represent 2/3 of population, 1/3 of land area and almost 5500 stakeholders
- Several represent whole states
- Major players in local projects and state policy
- Link to niche markets, fleets, suppliers, experts
- Core program provides tools, resources, grants
On-line Resources
Incentives and Laws

• Federal & State
  – By state
  – By type
  – By fuel
  – By user
  – Points of contact
Other On-Line Resources

• Available vehicles
  – Lists, specs, comparison, cost & emissions calculator
• Fuel station locations
  – State counts, maps, route mapper, locations & hours
• Niche market toolkits
• Funding opportunities
• Success stories
• Industry contacts
• Publications, technical bulletins, presentations
Analysis & Publications

- Webcasts
- Technology bulletins
- Quarterly newsletter
- Fact sheets & reports
- GIS analysis for infrastructure
Technical & Logistical Assistance

• Tiger Teams:
  – NREL or industry experts to help solve specific issues
  – Requested by Coordinators

• Coordinator Assistance & Networking

• Technical Response Service: backs up DOE Information Center Hotline
  – 1-877-EERE-INF (1-877-337-3463)

• Technical Support to Industry
  – UL listing of E85 dispensers
EPACT Regulatory Programs

• Implementing federal regulations and Executive Orders affecting federal, state, and alt. fuel provider fleets
  – Vehicle acquisition for state fleets plus new alternative compliance option
  – Vehicles plus alt fuel use for providers
  – Vehicles, petroleum reduction, alt fuel use for fed fleets
• Providing tools and resources to meet and exceed requirements
Installing New E85 Fueling Stations

E85 Fleet Toolkit

This toolkit is sponsored by the EPAct Program, which saw a need for reliable information on how to develop E85 infrastructure. Fleets can use this toolkit to assist in:

- Evaluating the best options for their fleets,
- Learning about the equipment and technologies required to install an E85 fueling site,
- Learning about other fleets' successes and difficulties in implementing E85 infrastructure,
- Getting important contact information and resources, and
- Developing E85 (85% ethanol/15% gasoline) fueling stations.

This toolkit contains information on the following topics:

- **Getting Started** - Start here to learn about E85! These answers to common questions can help save you time and guide you in the right direction.

- **E85 Fuel** - See the benefits of E85, get E85 fuel specifications, and learn about the fuel.

- **Equipment and Processes** - Learn the basics on codes and standards, the permitting process, equipment requirements, specifications, costs, and maintenance issues.

- **E85 Retail Stations** - Find existing E85 fueling stations.
Training & Outreach

• State E85 Workshops to increase awareness and use in state fleets
  – Madison, Raleigh, Lansing, Des Moines
  – 50-75 attendees per workshop
• Fleet conferences & exhibits
• Success stories
Alternative Compliance Tool

- Helps state fleets to design custom strategies to reduce petroleum
- Currently open to regulated fleets
Fleet Infrastructure Analysis

- Helps federal fleets match vehicle locations to fuel stations
- In pilot process with federal fleets, Colorado
WIP: Technical Assistance Project (TAP)

• Provides state and local officials with quick access to technical and policy experts at DOE National Laboratories.

• Direct, short-term assistance with crosscutting energy efficiency & renewable energy issues that are not covered by other DOE programs.

• A cooperative effort by DOE Headquarters, DOE Project Management Centers & 3 National Laboratories

http://www.eere.energy.gov/wip/technical_assistance.html
EERE State Website

- General renewable energy, energy efficiency information
Biomass Program Site

- Info on DOE research programs and solicitations
- Links for policymakers
- Publications
Coming soon…
(to a URL near you)

• Infrastructure planning tool
  – Based on current Colorado, Fed Fleet analysis
• Fleet petroleum reduction options tool
  – Based on State Alternative Compliance Tool
• State biofuels planning tool
  – Will combine state resources, production & distribution infrastructure, vehicles, population, emissions, etc.
• Biofuels Data Center
  – Will extend AFDC to cover biofuels resources, production, distribution
Other Federal Resources

- Department of Energy’s Solicitation e-Center
  http://e-center.doe.gov/doebiz.nsf?opendatabase
- DOE/EERE: Financial Opportunities for States
  http://www1.eere.energy.gov/financing/states.html
- DOT: It All Adds Up to Cleaner Air
  http://knowledge.fhwa.dot.gov/cops/italladdsup.nsf/home
- EPA: State and Local Transportation Resources
  http://www.epa.gov/otaq/stateresources/index.htm
- EPA’s State and Local Clean Energy Programs
  http://www.epa.gov/cleanenergy/stateandlocal/
- EPA Funding Opportunities
  http://www.epa.gov/ogd/grants/funding_opportunities.htm
- EPA: Funding Opportunities: A Directory of Energy Efficiency, Renewable Energy, and Environmental Protection Assistance Programs
  http://www.epa.gov/cleanrgy/pdf/eere_fun.pdf
- USDA Rural Development
  http://www.rurdev.usda.gov/
Other Organizations

- Renewable Fuels Association’s State Legislative Action - [http://www.ethanolrfa.org/policy/actions/state/](http://www.ethanolrfa.org/policy/actions/state/)
- Governor’s Ethanol Coalition - [http://www.ethanol-gec.org/](http://www.ethanol-gec.org/)
What Have We Missed?

• Suggestions from you?

• Contact:
  Ann Brennan
  303/275-3609
  ann_brennan@nrel.gov