

# **OVTP Merit Review Clean Cities Core Program and Tools**

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This presentation does not include any proprietary or confidential information.



# Outline

- **Clean Cities' Goals and Objectives**
- **Barriers**
- **Approach**
- **Accomplishments**
- **Future Activities**
- **Summary**
- **Publications and Presentations**

# Clean Cities' Goals and Objectives

To advance the energy, economic, and environmental security of the United States by supporting local decisions to adopt practices that contribute to the reduction of petroleum consumption in the transportation sector.



U. S. Department of Energy

# Barriers

- **Coordination of multiple decision makers to implement alternative fuel and advanced transportation projects**
- **Availability of timely, consistent, accurate information and tools to help build business cases and make decisions**
- **Coordination of funding sources to provide the best opportunities for project implementation**

# Approach

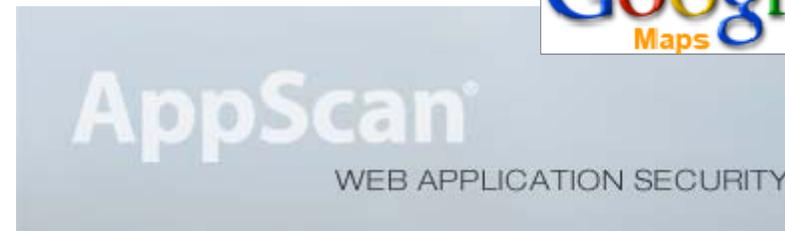
## Bridge the gap between technology development and utilization

- Form partnerships with key national and regional entities to leverage activities
- Develop and maintain accurate and timely technical resources for decision makers
- Provide targeted support to solve technical barriers through direct assistance
- Measure progress and monitor trends in industry and within coalitions

# Accomplishments: AFDC Enhancements

The AFDC makes alternative fuel and advanced vehicle information and tools publically available

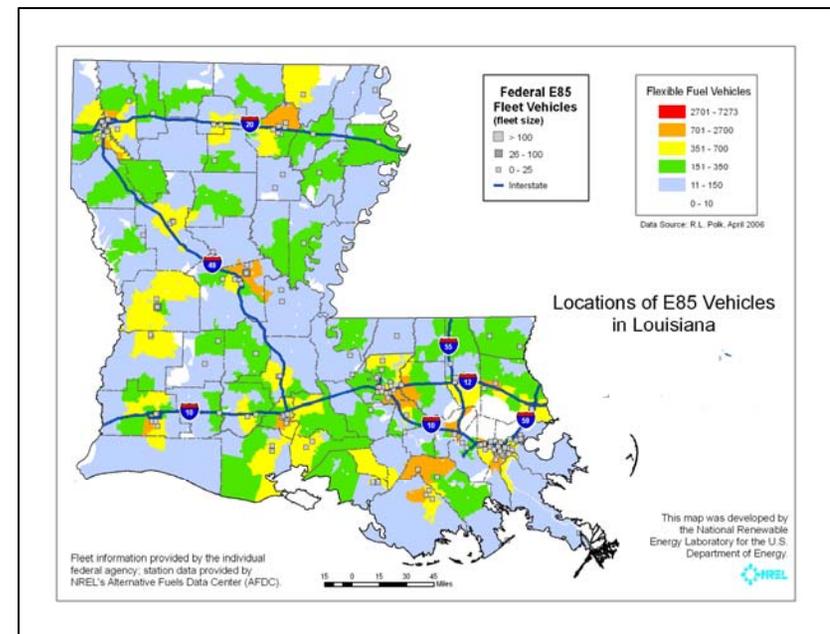
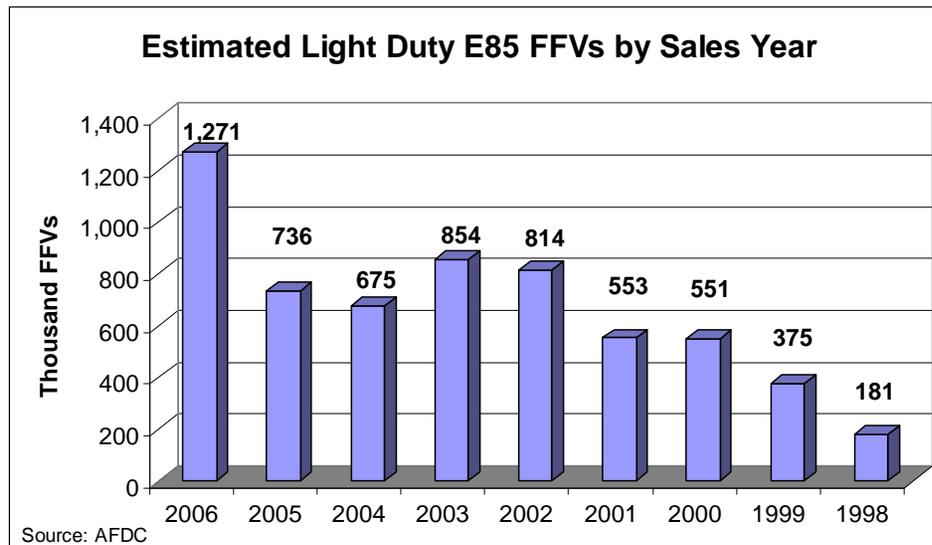
- Redesigned Web site to improve usability and integrate all petroleum-reduction options
- Enhanced site security
- Enhanced Laws and Incentives Web page; enhanced search capabilities
- Increased light-duty diesel visibility
- Regularly updating station locator using Google maps
- Sharing station database with MapQuest



# Accomplishments: New Analyses

Ongoing analyses allow us to measure progress and monitor trends in industry and within coalitions

- Developed in-house GIS capability for vehicle and infrastructure spatial analysis
- Improved dissemination of analysis through Data, Analysis, and Trends section of the AFDC
- Completed Minnesota E85 case study
- Created E85 business case



# Accomplishments: Key Partnerships

## Collaboration with other industry and stakeholder groups extends resources and increases impact

- Cooperation with EERE/Biomass Program to initiate Biofuels Information Center within AFDC
- Working with Alliance of Automobile Manufacturers to develop a DEF (diesel exhaust fluid) locator
- Sharing alternative fuel station location data with MapQuest's gas price Web site
- Ongoing cooperation with Underwriters Laboratories and the U.S Environmental Protection Agency regarding the listing of E85 dispensers
- Co-sponsoring an ethanol pricing study with Ethanol Promotion and Information Council
- Collaborating with National Association of Convenience Store Operators on case studies and deployment methods

# Accomplishments: New Pubs & Outreach

**Publications communicate unbiased, accurate, and consistent industry information and trends**

– **Fact Sheets**

- *Flexible Fuel Vehicles: Providing a Renewable Fuel Choice*

– **Technology Bulletins**

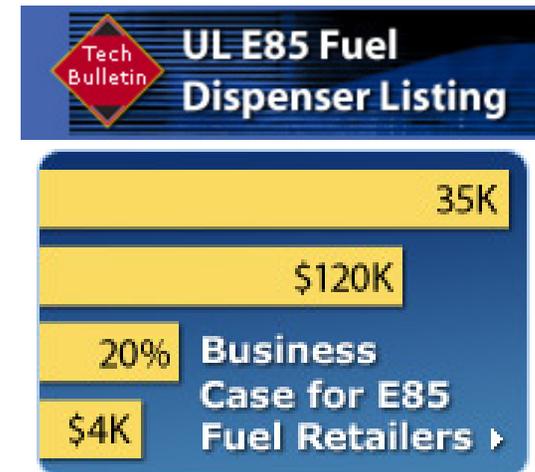
- E85 dispensers and flexible fuel vehicle conversions

– **Webcasts**

- Excise taxes
- New propane vehicles
- Biodiesel quality and emissions

– **Initiated RSS feed for AFDC**

- Allows stakeholders to stay informed of new information



# Accomplishments: Technical Support

**Targeted, specialized support for individual implementation issues leads to experience and tools to assist in similar cases**

- **Initiated Verizon fleet analysis**
  - **Optimizing refueling and vehicle locations, improving idle reduction**
- **Developed template presentations**
  - **Ensures consistent, technically sound message for coordinators to deliver to stakeholders at local level (natural gas, fuels overview, ethanol/E85)**
- **Coordinator Support**
  - **Summarized emissions/GHG/life-cycle research**
  - **Assisted with technical questions regarding special projects**
- **Conducting a western regional needs assessment**

# Future Activities

- **Increase coordination with DOE Biomass Program**
  - Biofuels Information Center
  - Shared publications and outreach documents
- **Incorporate geographic techniques into dynamic tools**
- **Develop fleet tools to support increasing fleet partnership activities**
- **Update of key materials**
  - E85 Fleet Toolkit
  - Compressed natural gas fact sheets

# Summary

- **Clean Cities and the AFDC are a widely recognized and respected source of technical expertise and information**
- **Projects are targeted to respond to industry and stakeholder needs**
- **Information provided is technically sound and unbiased**
- **Program is making tangible contributions today**

# Publications and Presentations

- **Publications**

- *E85 Retail Business Case: When and Why to Sell E85*, Caley Johnson, December 2007 (companion fact sheet, published January 2008)
- *Coalition Cooperation Defines Roadmap for E85 and Biodiesel*, June 2007
- *Flexible Fuel Vehicles: Providing a Renewable Fuel Choice*, May 2007
- *Analysis of Siting E85 Stations in Colorado*, P. Bergeron, D. Heimiller, October 2007

- **Presentations**

- *Connecting Federal Fleets with Clean Cities*, Wendy Dafoe, FedFleet 2007, July 2007
- *NREL Support for Biofuels Retailers*, Caley Johnson, National Association of Convenience Stores Conference, November 2007