Merit Review: EPAct State and Alternative Fuel Provider Fleets

“Alternative Fuel Transportation Program”

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This presentation does not contain any proprietary, confidential, or otherwise restricted information
Outline

- Background on SFP Program
- Overview
- Objectives
- Milestones/Activities
- Approach
- Accomplishments/Progress/Results
- Future Work
- Summary
Background on Program

  - Primary purpose to promote Replacement/Alternative Fuels through the acquisition of light-duty AFVs
- Regulatory Process Initiated in 1994
- Mandatory Compliance Started in Model Year (MY) 1997
- Annually 300+ State and Fuel Provider (SFP) Entities Must Meet Annual Requirements
SFP Fleets

Circles Roughly Represent Fleet Locations
Overview

• Timeline
  – Ongoing Regulatory Compliance Program
  – Arising from EPAct 1992
  – With Subsequent Legislative Amendments
    • Energy Reauthorization Act of 1998 (ECRA)
    • EPAct 2005
    • Energy Independence and Security Act of 2007 (EISA)

• Budget
  – Funding in FY10 ($1.7M)
  – Funding request for FY11 ($1.8 M)
Relevance: Objectives

• Petroleum Reduction and Replacement
• Implement the EPAct Alternative Fuels Transportation Program
  – Ensure Compliance with Regulatory Requirements for 300 + Fleets
  – Interpret/Analyze Legislative Requirements
  – Collect, Store, and Analyze Data Covered Fleets Submit to Comply with EPAct SFP Requirements
• Encourage/Empower Fleets to Go Beyond Standard Compliance Requirements to Reduce Petroleum Use
• Partnering with Clean Cities & Federal Fleet Programs
Milestones/Activities

• Annual Reporting (12/31/10)
• Exemptions and Exclusions
• Interpretative Rulings
• Documentation
• Rulemaking (8/11)
• Alternative Fuel Petitions
• Reports
• Outreach
Approach/Strategy

• Strong Focus on Ensuring Fleet Compliance
  – Flexible Options
  – Enhanced Outreach and Education
  – Working with Deficient Fleets

• Documentation
• Online Tools and Decision Support
• Regulation Modification/Update
Accomplishments/Progress/Results

• Regulatory Process
  – EISA Section 133 Proposed Rule
    • Reporting requirements
    • Exemptions
    • Credits
    • Revision of Database
  – Draft Alternative Compliance Revisions
  – Review of the Current Regulatory Language
Accomplishments/Progress/Results

• Compliance/Enforcement
  – Standard Compliance 2010
  – Alternative Compliance 2010
  – Identified Additional Covered Fleets
  – Site Visits
  – Enforcement Plan
Accomplishments/Progress/Results

• Administration
  – Addressed Policy Positions
  – Addressed Interpretive Rulings
  – Developed Program’s Document Disposition Schedule
  – Standard Operating Procedures Documentation
  – Appeals
Accomplishments/Progress/Results

• Outreach & Assistance
  – Developed Online Exemption Request Tool
  – Enhanced Public Petroleum REduction Planning (PREP) Tool
  – Continued Developing FleetAtlas Tool
  – EPAct Stakeholder & Fuel Retailer Workshops
  – Developing Workshop Toolkit and Training Course
Accomplishments/Progress/Results

• Deployment of Various Vehicle Technologies Via:
  • Standard Compliance
  • Alternative Compliance

• 40-50 million Gasoline Gallon Equivalents (GGE)
• 100% Compliance
SFP Accomplishments: Data

Standard Compliance Methods

- Exemptions Granted
- Applied & Purchased Credits *
- Biodiesel Credits
- Light Duty AFVs
- Total AFV Acquisition Requirement

NOTE: MY2010 data not yet complete
SFP Accomplishments: Data

Light Duty AFV Acquisitions

NOTE: MY2010 data not yet complete
SFP Accomplishments: Data

Annual Biodiesel (B100) Use and Biodiesel Credits Earned

*Includes all gallons reported

NOTE: MY2010 data not yet complete
SFP Accomplishments: Data

Annual Number of Exemptions Requested and Exemptions Granted

![Graph showing the annual number of exemptions requested and granted from 2000 to 2010. The graph indicates that the number of exemptions requested and granted varies each year.]

# Exemptions Requested
# Exemptions Granted

NOTE: MY2010 data not yet complete
MY2010 Results of Alternative Compliance Resulted nearly 3,414,312 GGE of petroleum reduced, from just 12 fleets (compared with 2,427,494 GGE for MY 2009)
Collaboration and Coordination

• EPAct Workshops
  – Clean Cities and Federal Fleet Programs
• Clean Cities Program
  – Incentives and Laws
  – Clean Cities Coordinator Training
  – Clean Cities Annual Retreat
• Alternative Fuel Petitions
  – Involves Reviews Cutting Across Various Programs
• Coordination with Fleets and Other Stakeholders to Facilitate Infrastructure Deployment
  – DOE Collaborating with Industry and Other Labs (Rulemaking Comments, Hearings, Conferences, Other Outreach)
Future Work

- Additional Site Visits
- Regional EPAct Workshops
- Revision of Alternative Compliance Program
- Develop Online Compliance Tools
- Analyze Other Existing Fleets for Potential Coverage
- Issue EISA Section 133 NOPR
- Develop Tool Kits for Best Practices
- GIS Analysis for Fleet Vehicles and Re-Fueling Infrastructure
- Documentation of Processes and Decisions
Summary

• Objectives
  – Petroleum Reduction and Replacement
  – Deploy and Encourage Technology Acquisitions
  – Collect, Store, and Analyze Data
  – Encourage/Empower Fleets to Go Beyond Standard Compliance Requirements
  – Ensuring Compliance with Statutory Requirements
Summary (Cont’d)

• Approach
  – Careful Development of New Requirements
  – Develop Flexible Approaches
  – Extensive Outreach and Technical Assistance
  – Analysis & Interpretive Rulings
  – Documentation
  – Online Tools and Decision Support
Summary (Cont’d)

• Results
  – Compliance Rate of 100%
  – Deployment of Various Vehicle Technologies Via Standard Compliance & Alternative Compliance
  – 40-50 million GGE of Petroleum Replacement Per Year (Conservative Estimate)

• Future Work
  – Enhancing Flexibility
  – Streamlining Program
  – Continue Documenting Decisions and Processes
  – Outreach
  – Capturing Additional Covered Fleets