

# Merit Review: EPAct State and Alternative Fuel Provider Fleets

**“Alternative Fuel Transportation Program”**

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Vehicle Technologies Program

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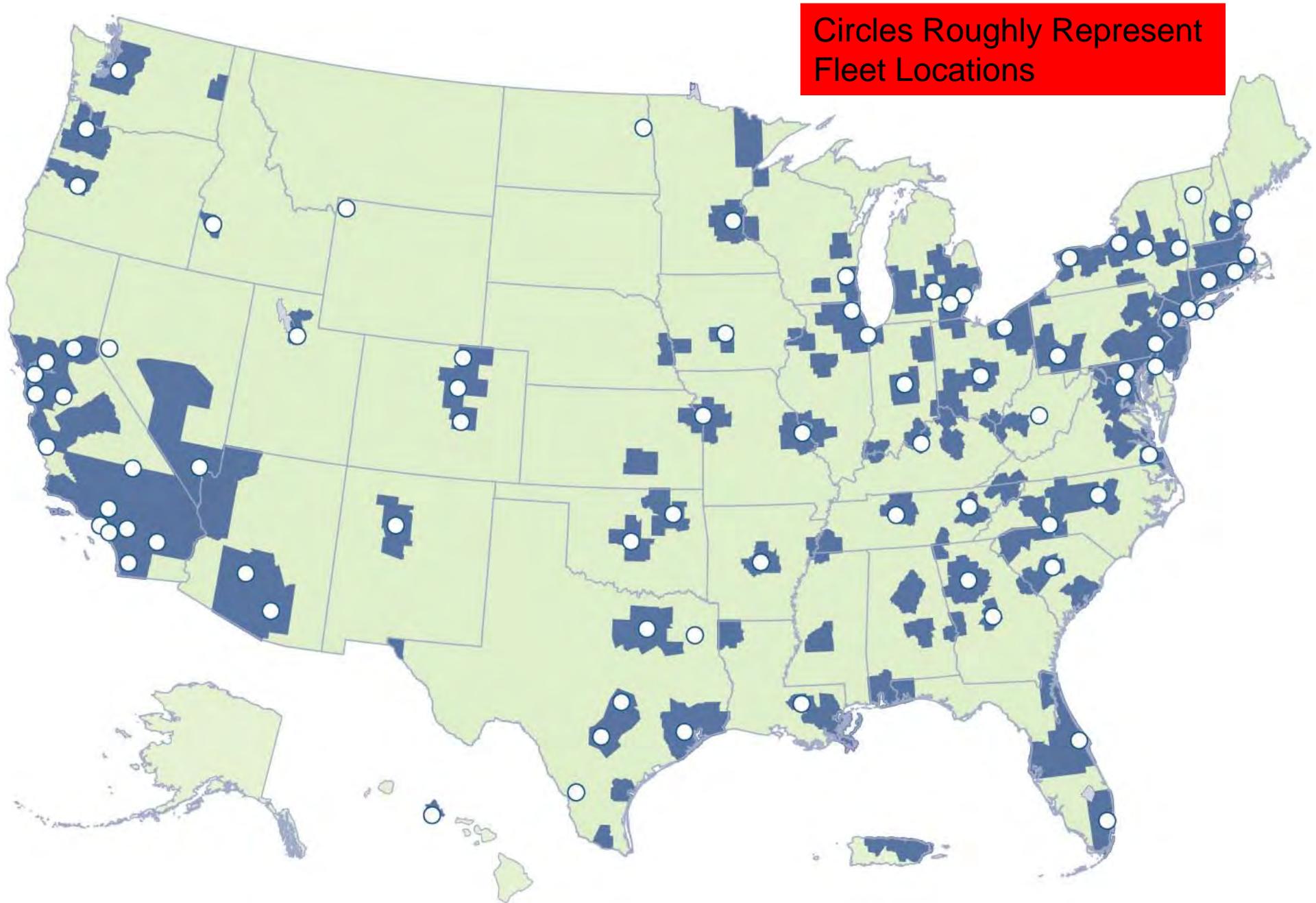
Project ID: ti014

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

- Energy Policy Act (EPAAct) of 1992 Required DOE to establish an Alternative Fuel Transportation 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

2011 DOE Merit Review  
State and Alternative  
Fuel Provider Fleets



- Timeline
  - Ongoing Regulatory Compliance Program
  - Arising from EPCRA 1992
  - With Subsequent Legislative Amendments
    - Energy Reauthorization Act of 1998 (ECRA)
    - EPCRA 2005
    - Energy Independence and Security Act of 2007 (EISA)
- Budget
  - Funding in FY10 (\$1.7M)
  - Funding request for FY11 (\$1.8 M)

- Petroleum Reduction and Replacement
- Implement the EPCRA 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 EPCRA 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

- 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

- Regulatory Process
  - EISA Section 133 Proposed Rule
    - Reporting requirements
    - Exemptions
    - Credits
    - Revision of Database
  - Draft Alternative Compliance Revisions
  - Review of the Current Regulatory Language

- Compliance/Enforcement
  - Standard Compliance 2010
  - Alternative Compliance 2010
  - Identified Additional Covered Fleets
  - Site Visits
  - Enforcement Plan

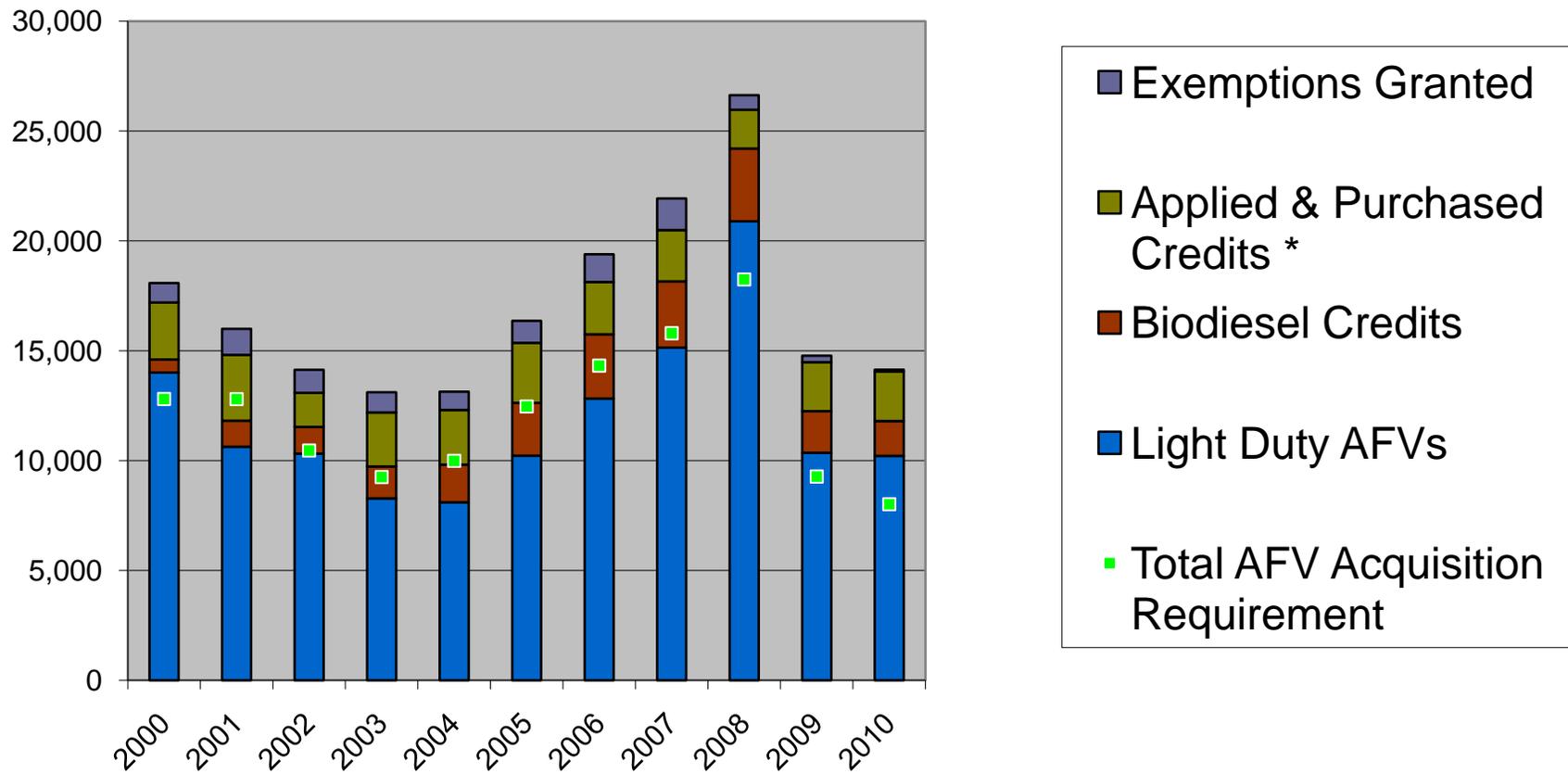
- Administration
  - Addressed Policy Positions
  - Addressed Interpretive Rulings
  - Developed Program's Document Disposition Schedule
  - Standard Operating Procedures Documentation
  - Appeals

- Outreach & Assistance
  - Developed Online Exemption Request Tool
  - Enhanced Public Petroleum REduction Planning (PREP) Tool
  - Continued Developing FleetAtlas Tool
  - EPA Act Stakeholder & Fuel Retailer Workshops
  - Developing Workshop Toolkit and Training Course

- Deployment of Various Vehicle Technologies Via:
  - Standard Compliance
  - Alternative Compliance
- 40-50 million Gasoline Gallon Equivalents (GGE)
- 100% Compliance

# SFP Accomplishments: Data

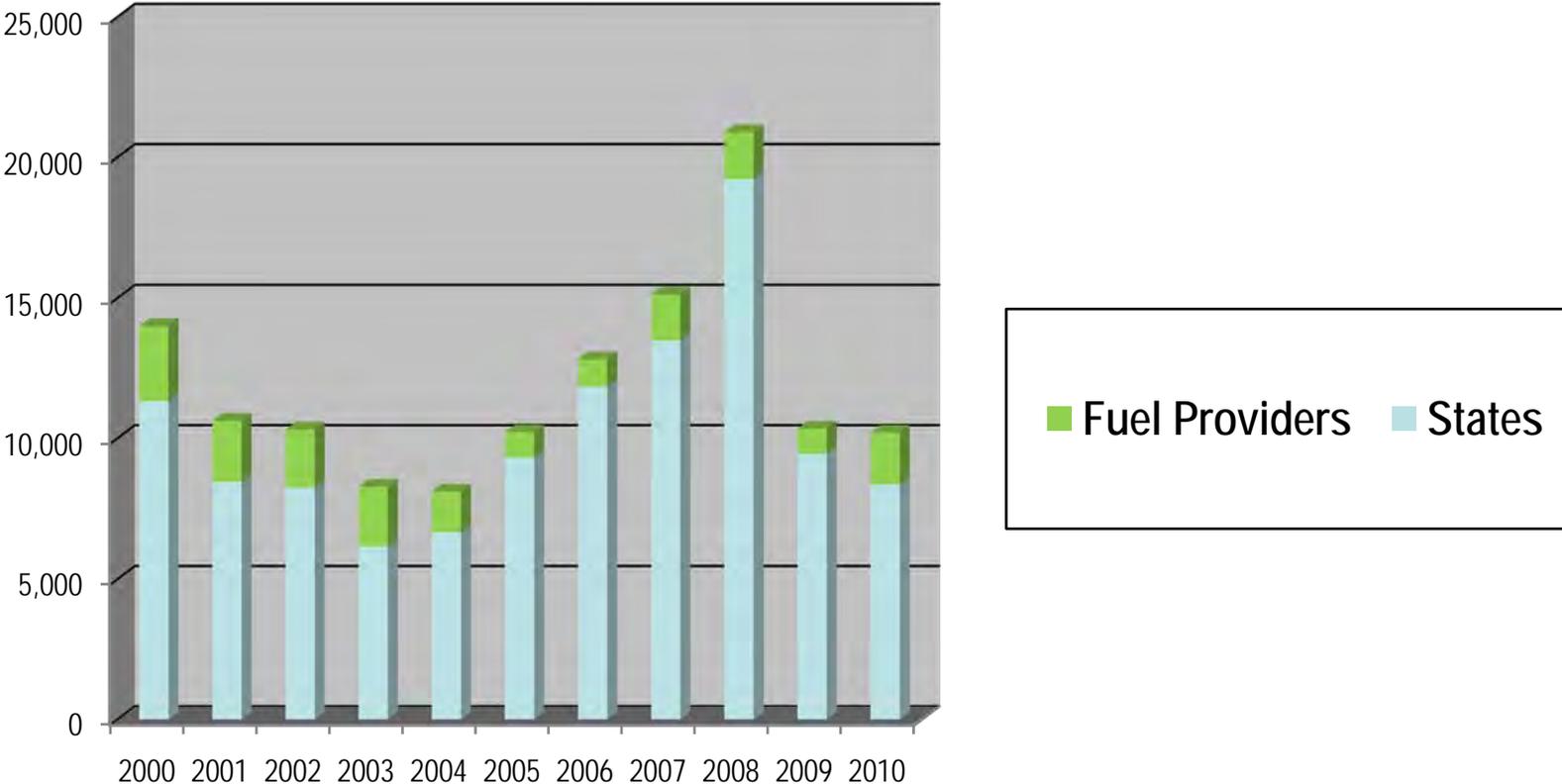
## Standard Compliance Methods



NOTE: MY2010 data not yet complete

# SFP Accomplishments: Data

## Light Duty AFV Acquisitions

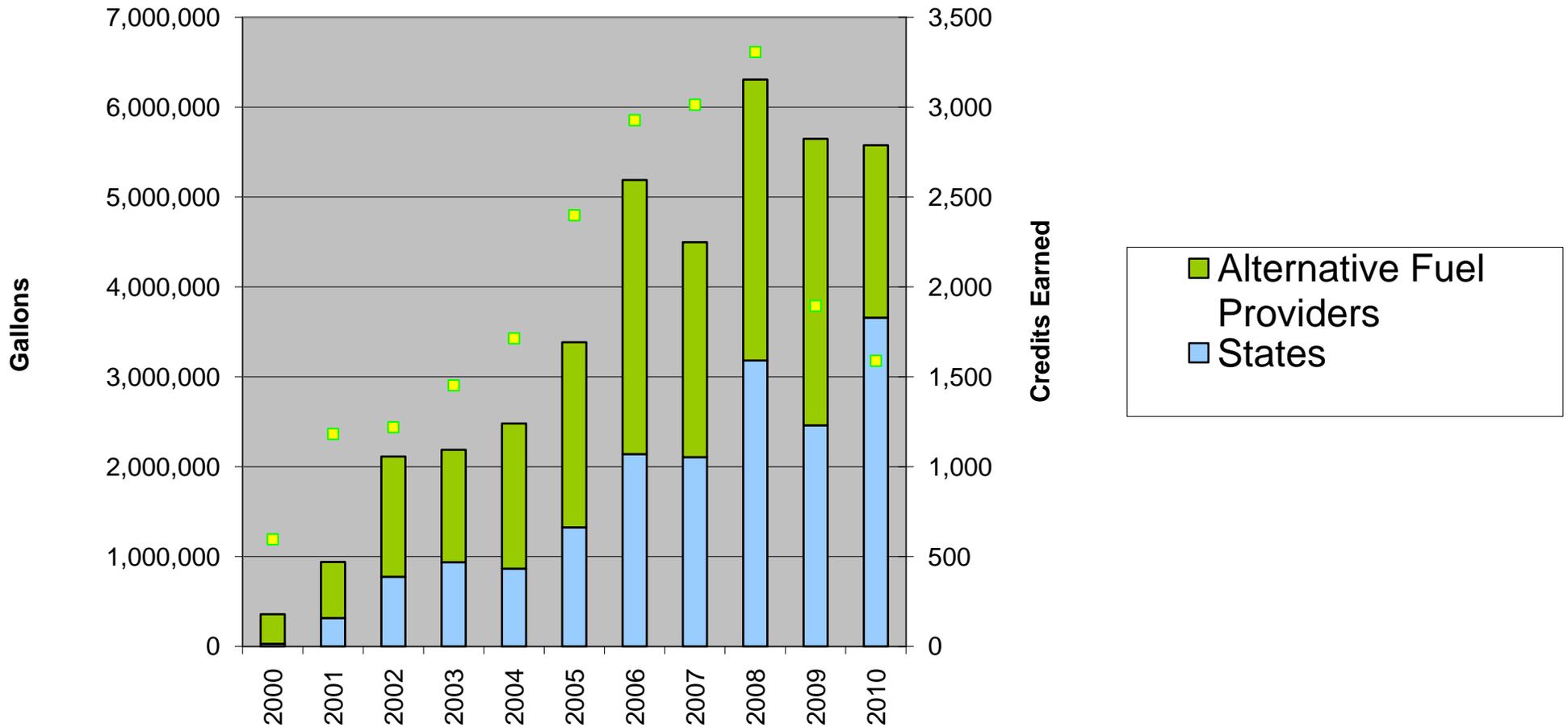


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# SFP Accomplishments: Data

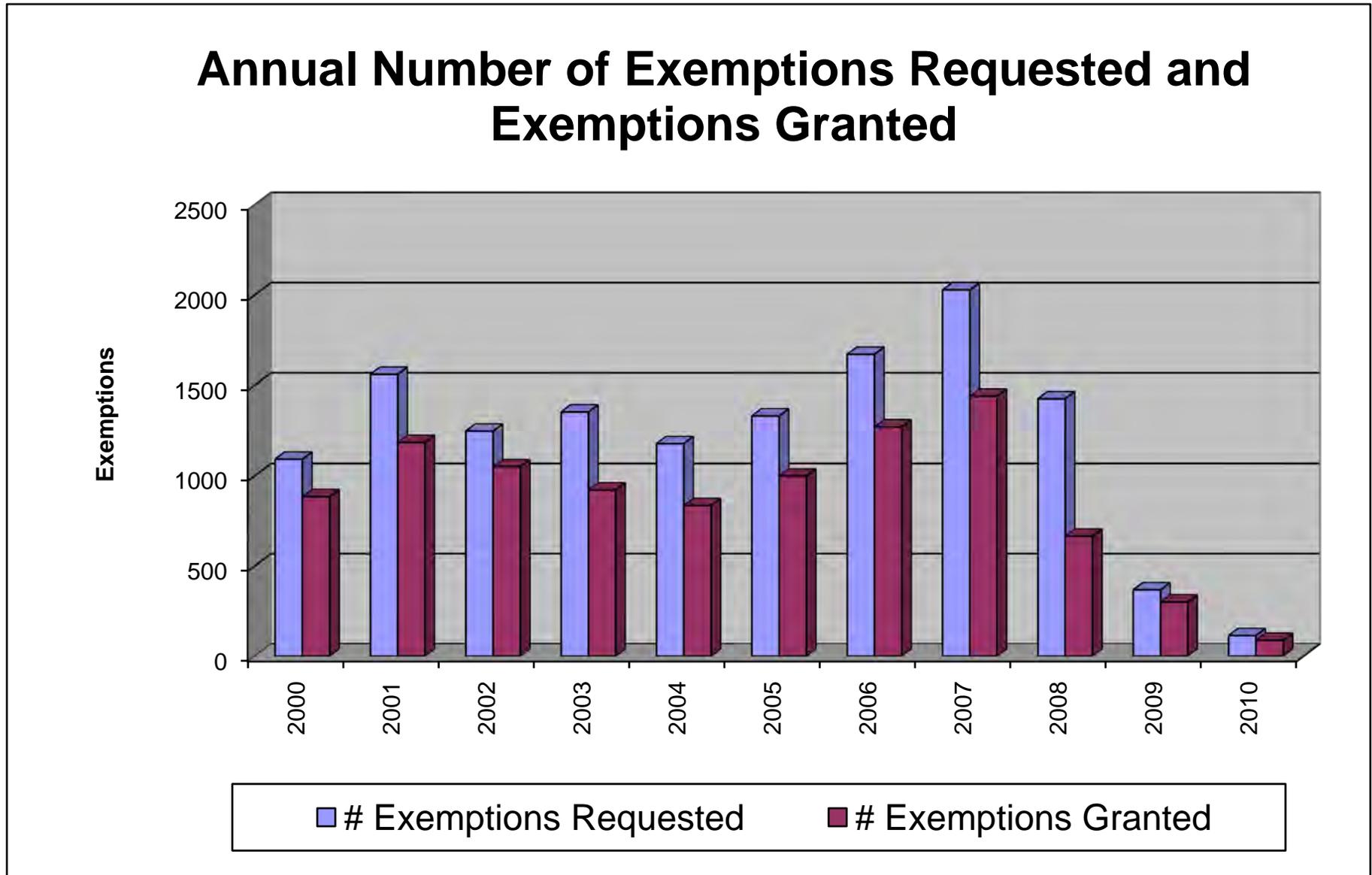
\*Includes all gallons reported

## Annual Biodiesel (B100) Use and Biodiesel Credits Earned



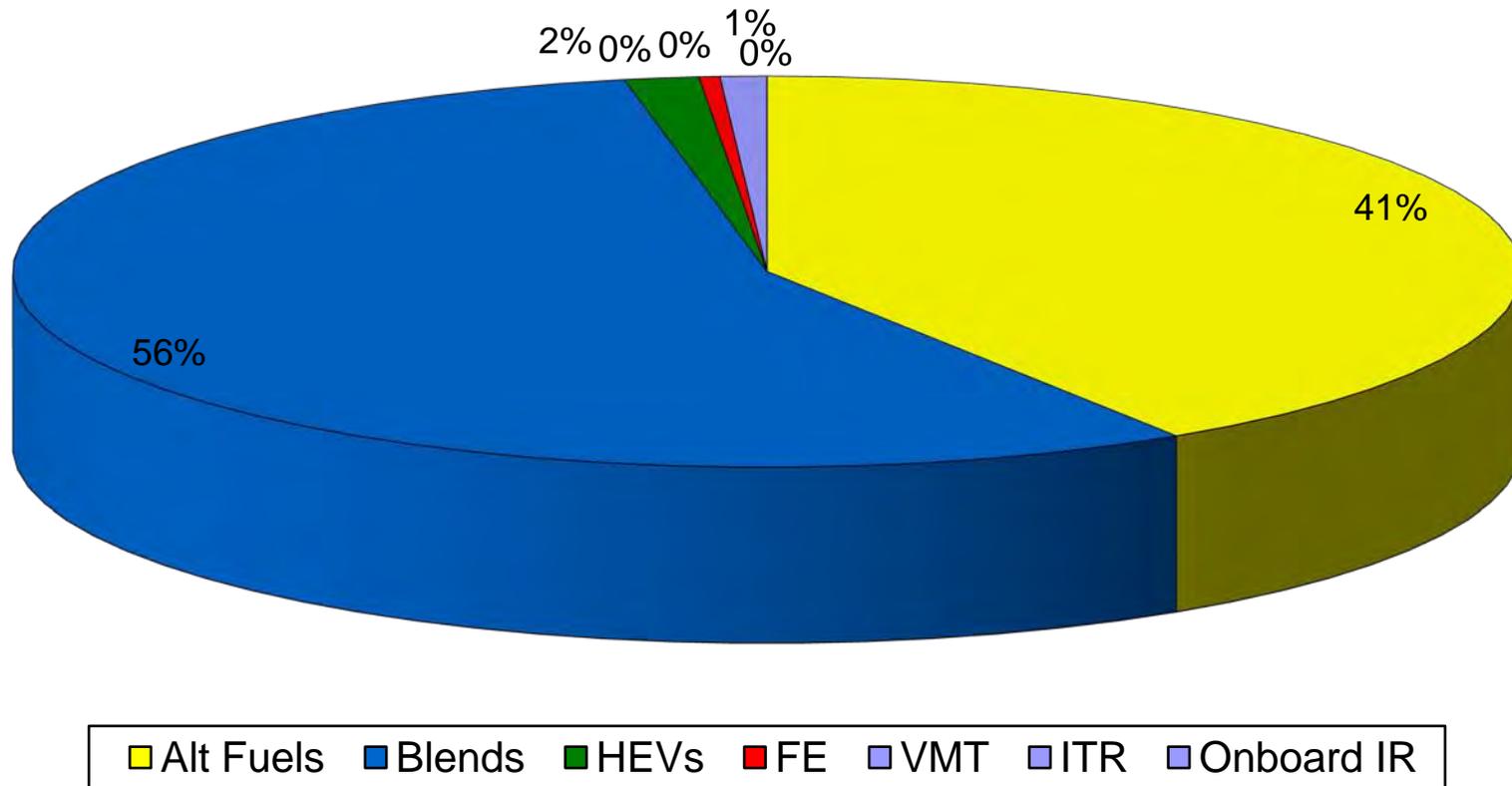
NOTE: MY2010 data not yet complete

# SFP Accomplishments: Data



NOTE: MY2010 data not yet complete

## Percent of Petroleum Reductions Achieved by AC Strategy Employed in MY 2010



***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)***

- EPAAct 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)

- Additional Site Visits
- Regional EPA Act 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

- 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

- 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