

2012 Merit Review: EPAct State and Alternative Fuel Provider Fleets

“Alternative Fuel Transportation Program”

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TI014

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

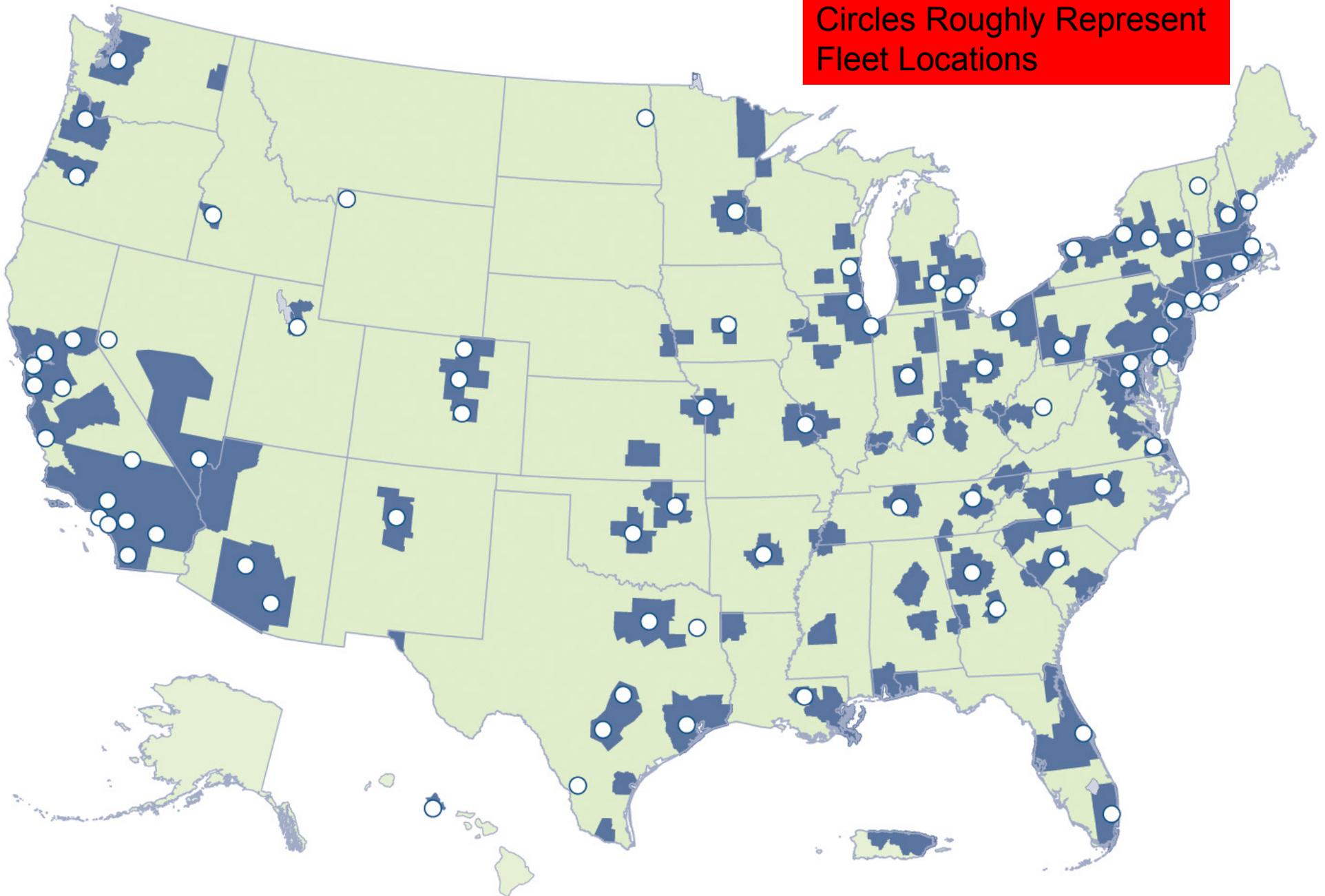
Background on Program

- 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

2012 DOE Merit Review
State and Alternative
Fuel Provider Fleets

Circles Roughly Represent
Fleet Locations



- Timeline
 - Ongoing Regulatory Compliance Program
 - Arising from EPAAct 1992
 - With Subsequent Legislative Amendments
 - Energy Reauthorization Act of 1998 (ECRA)
 - EPAAct 2005
 - Energy Independence and Security Act of 2007 (EISA)
- Budget
 - Funding in FY11 (\$1.8M)
 - Funding in FY12 (\$1.8 M)

- Petroleum Reduction and Replacement
- Implement the EPO Act 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 EPO Act 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 (12/31/11)
- Exemptions and Exclusions
- Interpretative Rulings
- Documentation
- Rulemaking (8/12)
- 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 2011
 - Alternative Compliance 2011
 - Identified Additional Covered Fleets
 - Site Visits
 - Enforcement Plan

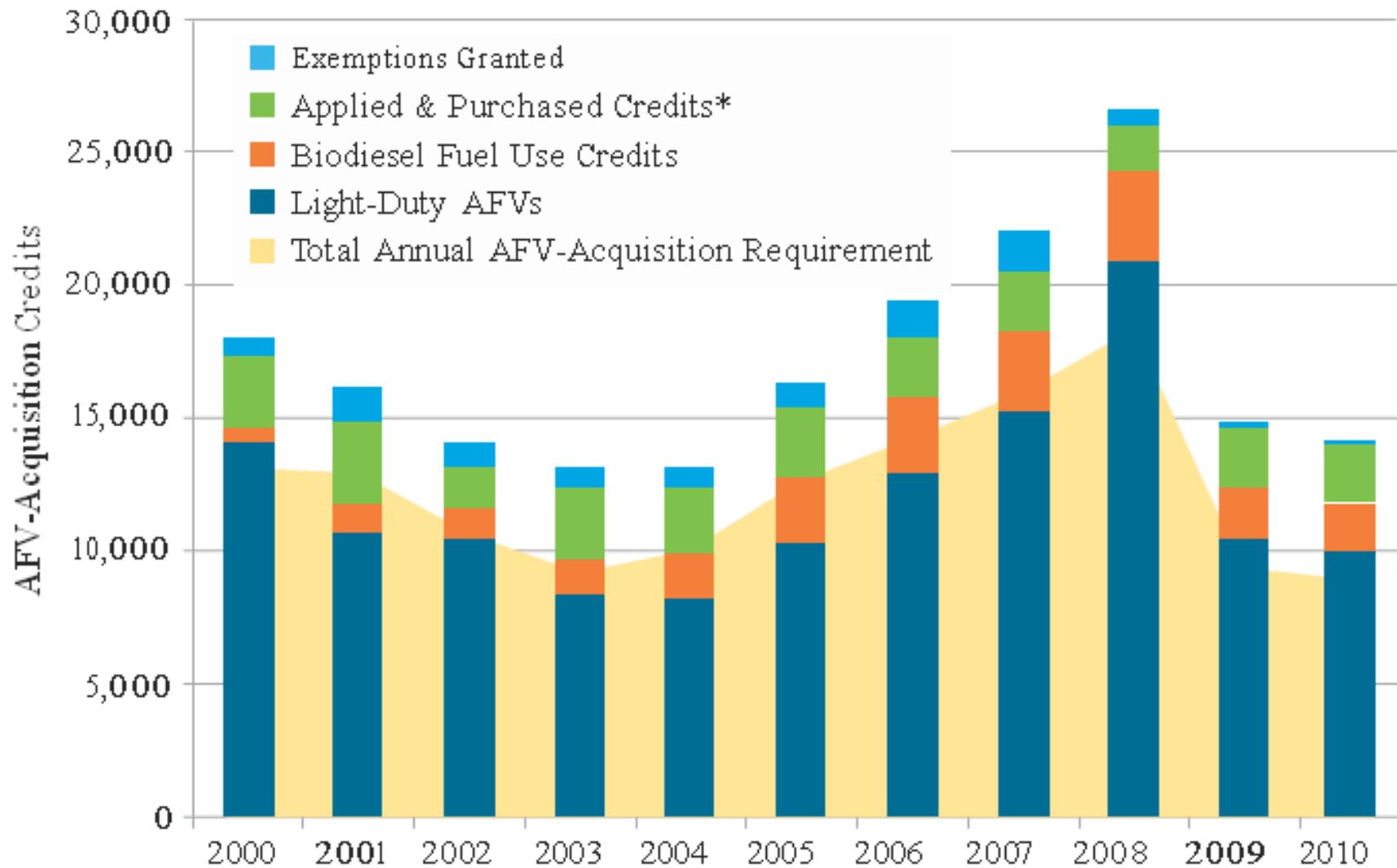
- Administration
 - Addressed Policy Positions
 - Addressed Interpretive Rulings
 - Developed Program's Document Disposition Schedule
 - Standard Operating Procedures Documentation
 - Appeals
 - Upgrading Program Database

- 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

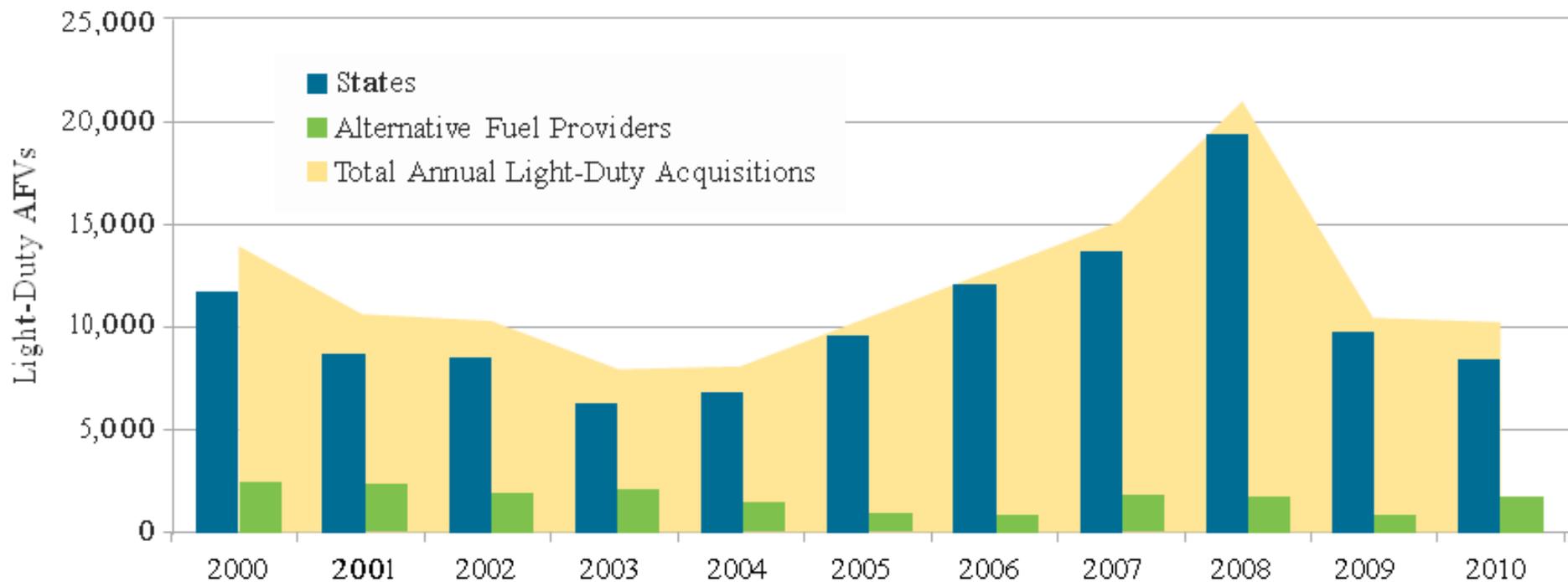


*Purchased credits can be banked for future use.

NOTE: MY2011 data not yet complete

SFP Accomplishments: Data

Light-Duty AFV Acquisitions

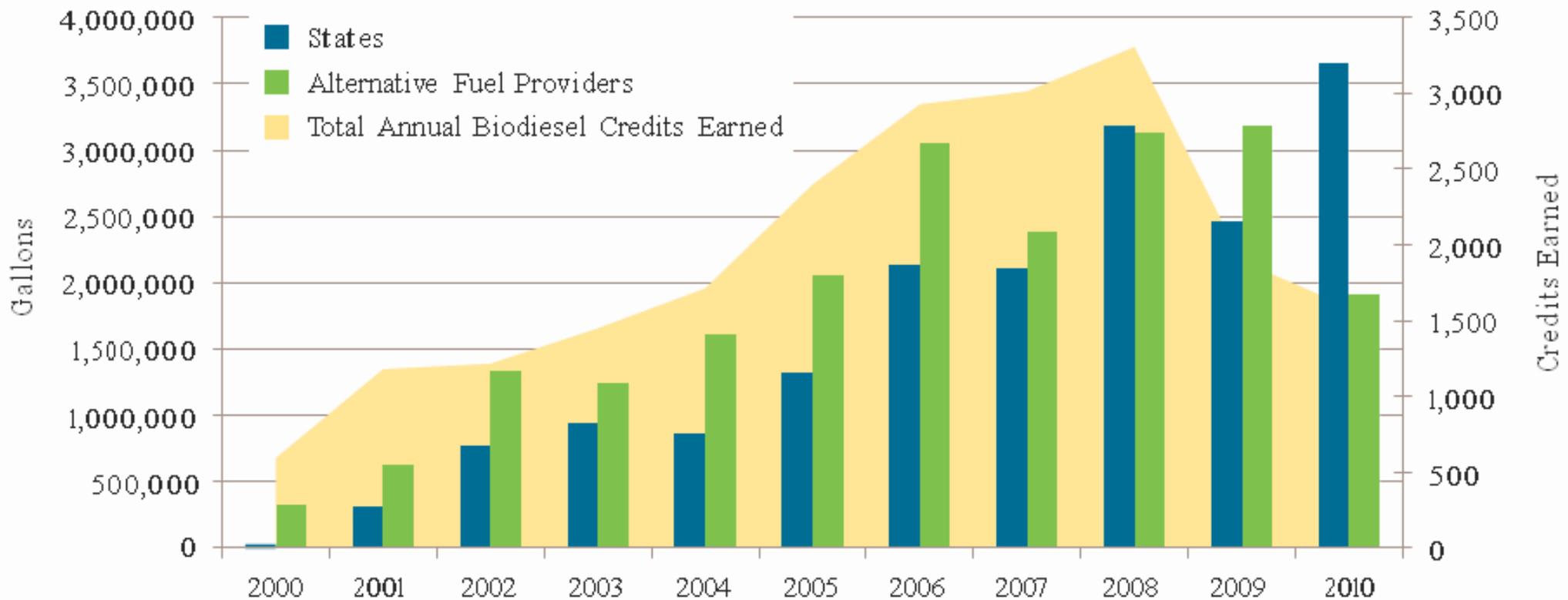


NOTE: MY2011 data not yet complete

SFP Accomplishments: Data

*Includes all gallons reported

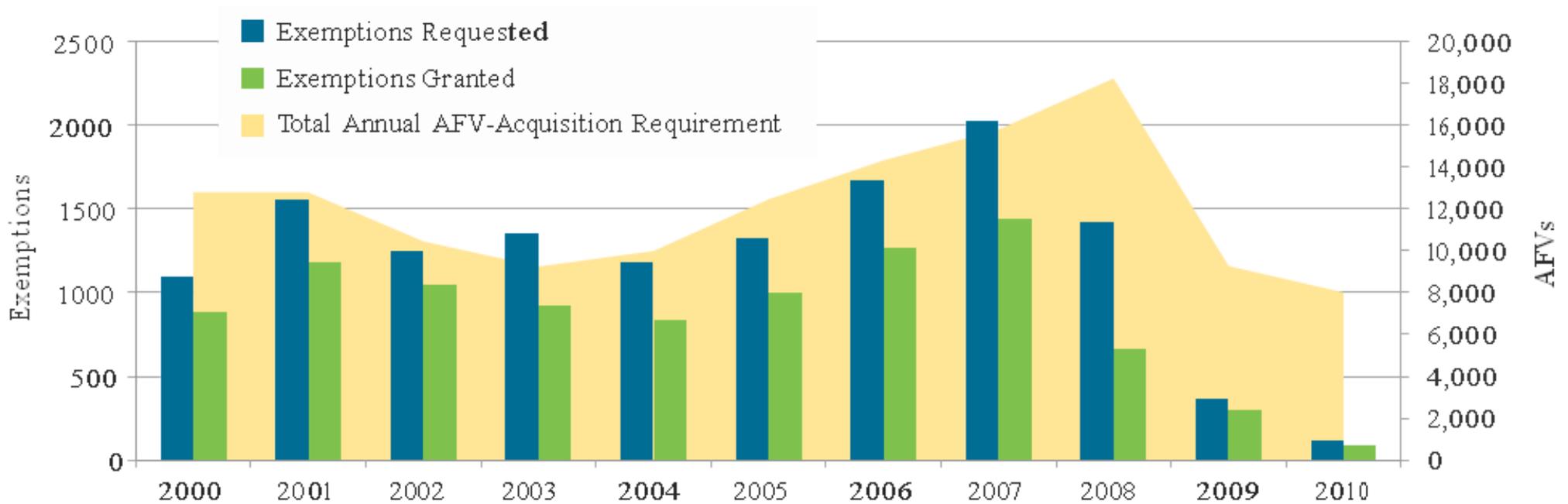
Annual Biodiesel (B100) Use and Biodiesel Credits Earned



NOTE: MY2011 data not yet complete

SFP Accomplishments: Data

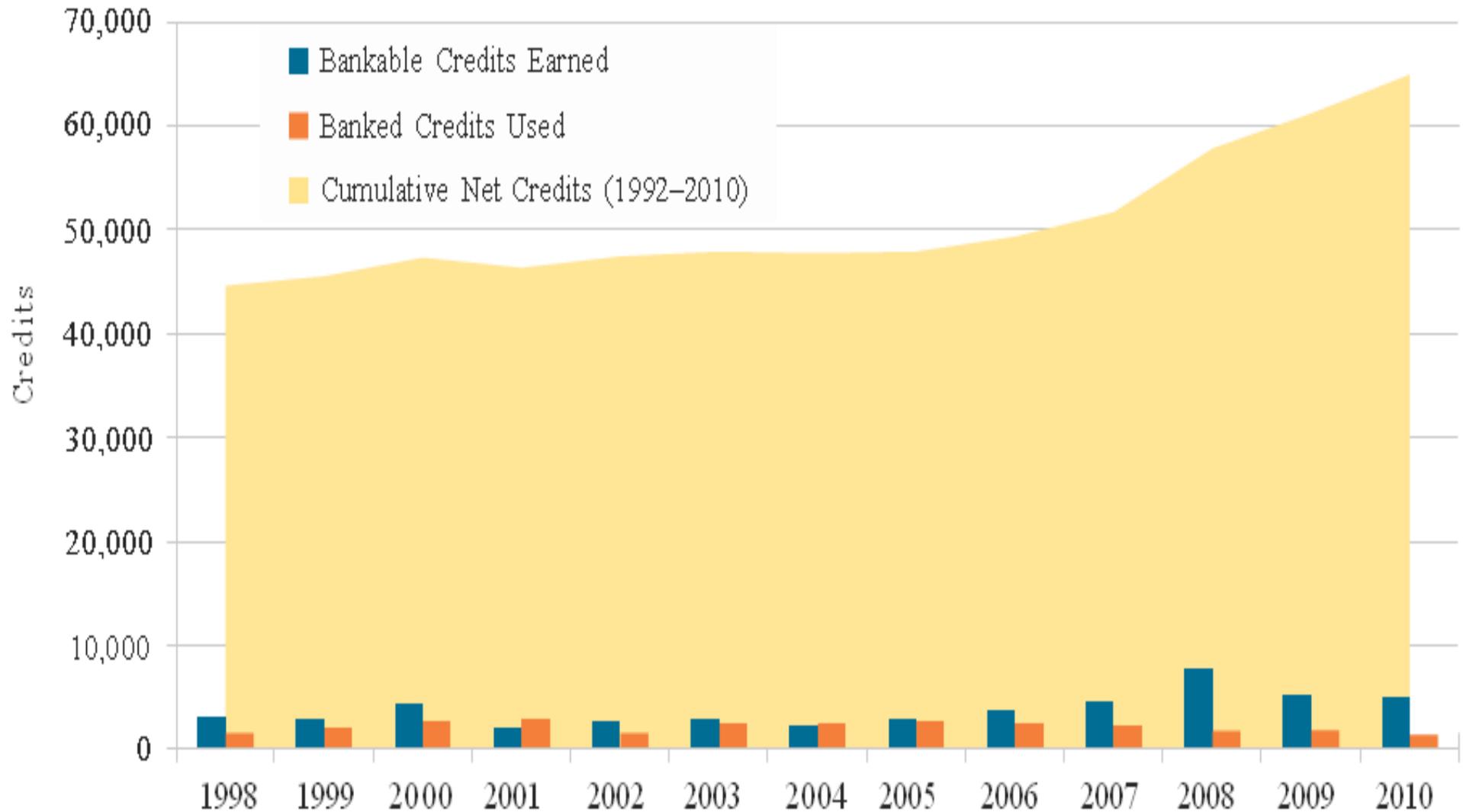
Annual Exemptions Requested and Granted Compared to Total AFV-Acquisition Requirement



NOTE: MY2011 data not yet complete

SFP Accomplishments: Data

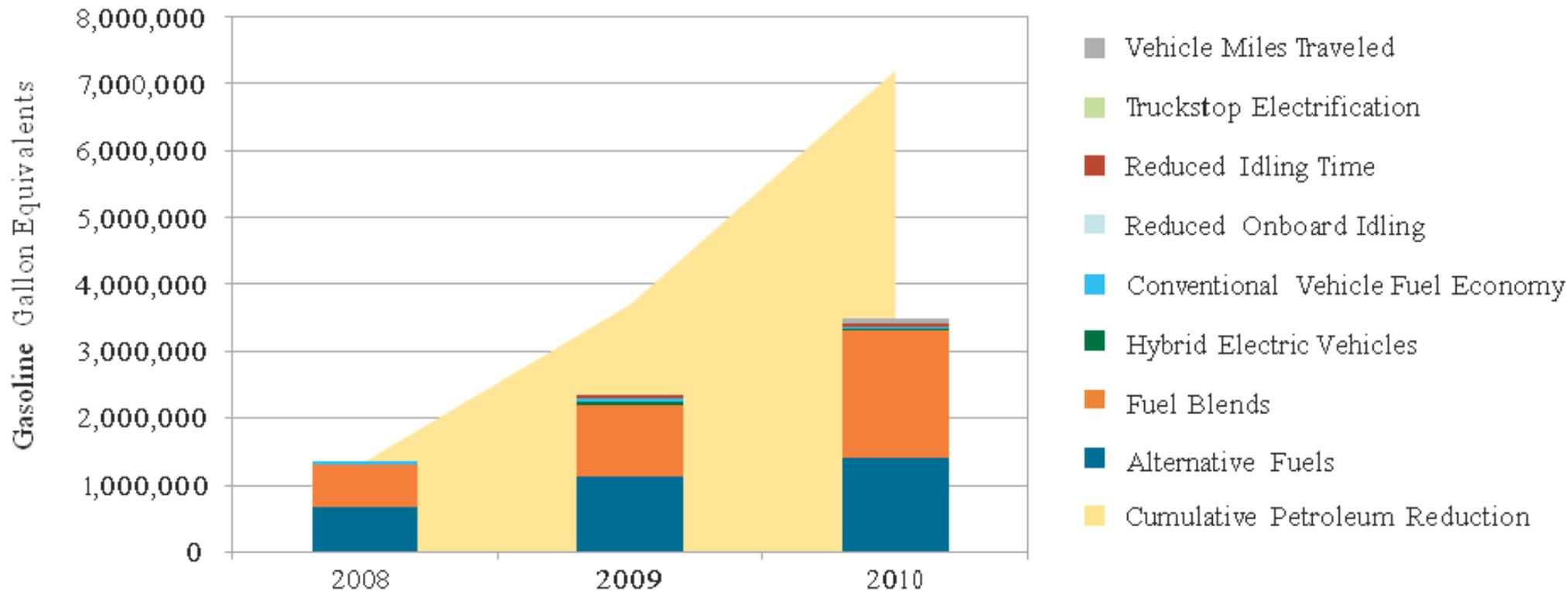
Annual Credits Earned and Used



NOTE: MY2011 data not yet complete

SFP Accomplishments: Data

Petroleum Reductions Achieved by Alternative Compliance Strategy



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)

NOTE: MY2011 data not yet complete

- 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 Final Rule
- Develop Tool Kits for Best Practices
- GIS Analysis for Fleet Vehicles and Re-Fueling Infrastructure
- Documentation of Processes and Decisions
- Make Available Online Reporting for Additional Compliance Options

- 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

- 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