

Funding Opportunities for Clean Vehicles



Green Fleets Conference
October 4, 2011



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TYPES OF ASSISTANCE

Use Them All

Grants

- **Often Funded as Reimbursement**
- **Not Intended to Fund “Normal Fleet Attrition”**
- **Often Come with “Strings”**

Tax Credits/Incentives

Financing Programs

Innovative/Non-Traditional Approaches

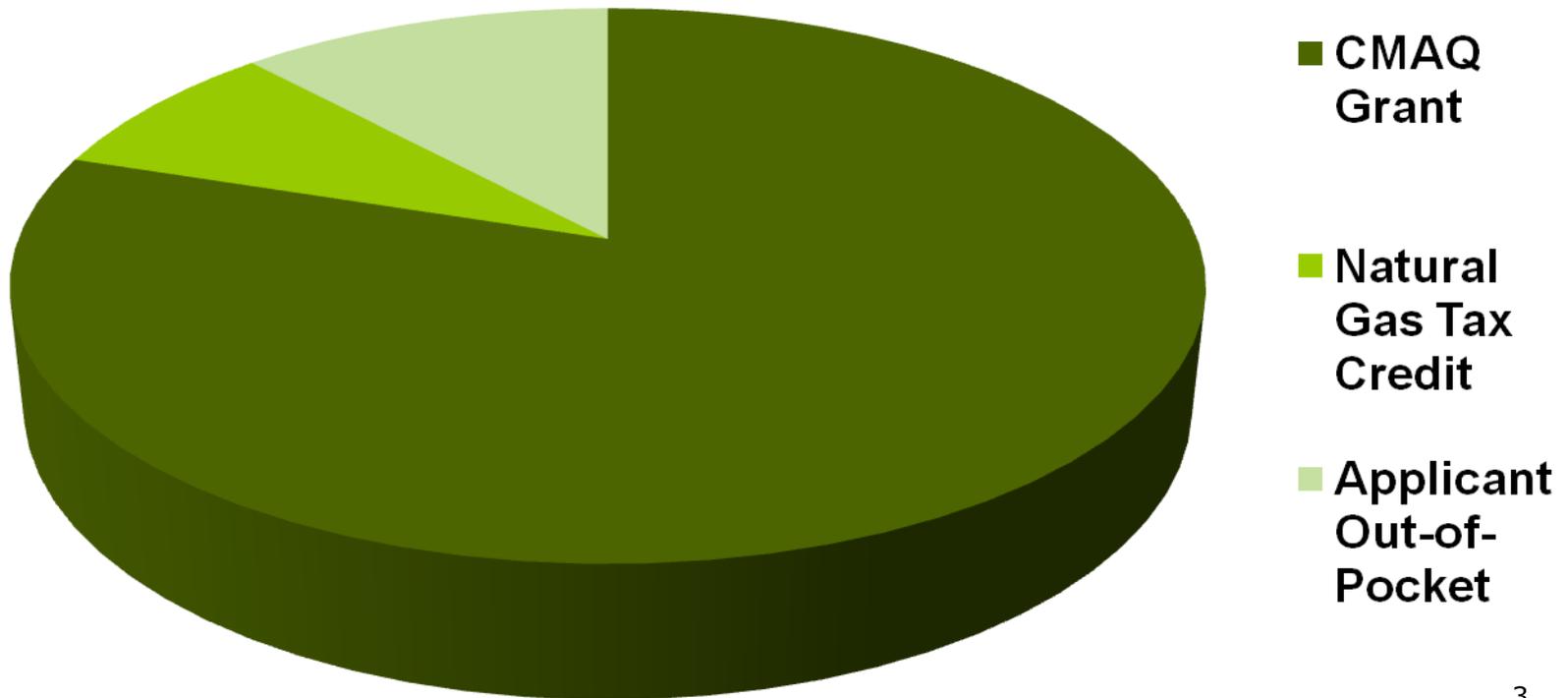
Need to Evaluate Long-Term Return on Investment

USING MULTIPLE FUNDING SOURCES

How Do They All Fit Together?

Cost Distribution of CNG-Fueled F-450 Shuttle Bus

Purchase Price: \$74,000





WHAT YOU NEED TO APPLY

Know What You Have

Establish Fleet Priorities

Determine Typical Fleet Turnover Cycle

Develop and Maintain a Detailed Fleet Inventory

- **Vehicle Model Year**
- **Gross Vehicle Weight Rating**
- **Fuel Type**
- **Annual Mileage**
- **Engine Year, Make, Model**
- **Emissions Standard**
- **DOCUMENTATION**

WHAT YOU NEED TO APPLY

Determine What You Want

Resources

- **Alternative Fuels and Advanced Vehicles Data Center Fleet Guide**

www.eere.energy.gov/afdc/fleets/index.html

- **EPA Green Vehicle Guide**

www.epa.gov/greenvehicle

- **EPA SmartWay Transport Program**

www.epa.gov/smartway

- **EPA National Clean Diesel Campaign**

www.epa.gov/diesel





TIPS FOR SUCCESS

Developing an Application/Proposal

Responsiveness to Grant Solicitation

- **Follow Instructions and Do Your Homework**
- **Respond to Selection Criteria/Emphasis Areas**
- **Be Specific and Complete**

Project Justification

- **Demonstrate Needs/Opportunities**
- **Provide Technical Documentation**
- **Quantify Expected Results**

Entity Qualifications

- **Demonstrate Partnerships and Abilities**
- **Demonstrate Previous Experience/Capability**
- **Highlight Successes**

Ask Questions (Early)



TIPS FOR SUCCESS Implementation

Implementation

- **Communicate!!!**
- **Establish Clear Milestones**
- **Enforce Requirements**
- **Maintain Flexibility**
- **Establish a Contingency Plan**
- **Leverage Partnerships for Assistance**
- **Ask Questions**
- **Publicize Successes**

Envision Future Funding

FEDERAL FUNDING OPPORTUNITIES

CMAQ Funding

Administered by Federal Highway Administration

Limited to Nonattainment and Maintenance Areas

- **Ozone, CO, PM Only**

Projects Must Address Pollutant(s) of Concern

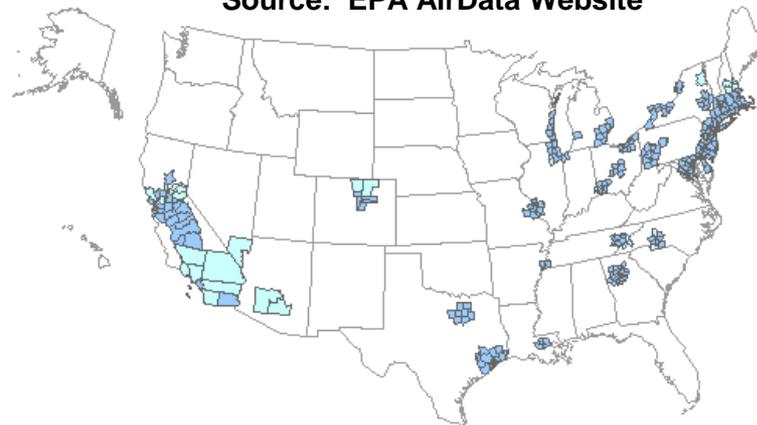
- **Diesel Retrofits Specifically Mentioned**

Allocated Through MPOs

- **Process Varies**

8-Hour Ozone Nonattainment Areas

Source: EPA AirData Website



PM 2.5 Nonattainment Areas

Source: EPA AirData Website





FEDERAL FUNDING OPPORTUNITIES

Diesel Emissions Reduction Act

Focus on Reducing Heavy-Duty Diesel Emissions

NOT Restricted to Nonattainment Areas

Public Sector Applicants Only (May Sponsor)

First Appropriated in Fiscal Year (FY) 2008 with \$49.2M

- **National Clean Diesel Program (70%)**
 - **National Funding Assistance Program**
 - **Administered Through EPA Regions and/or Diesel Collaboratives**
 - **Emerging Technologies Program**
 - **SmartWay Clean Diesel Finance Program**
- **State Clean Diesel Grant and Loan Program (30%)**

For More Information: www.epa.gov/cleandiesel



FEDERAL FUNDING OPPORTUNITIES

Department of Energy

Clean Cities National Parks Initiative

Eligible Applicants

- **National Park Service Units**
- **Battlefields, Cemeteries, Historic Sites, Monuments, etc.**

Eligible Projects:

- **Alternative Fuel/Advanced Technology Vehicles**
- **Idle Reduction**
- **Refueling/Recharging Infrastructure**
- **Public Education and Training**

For More Information:

www1.eere.energy.gov/cleancities/national_parks_application.html



FEDERAL FUNDING OPPORTUNITIES

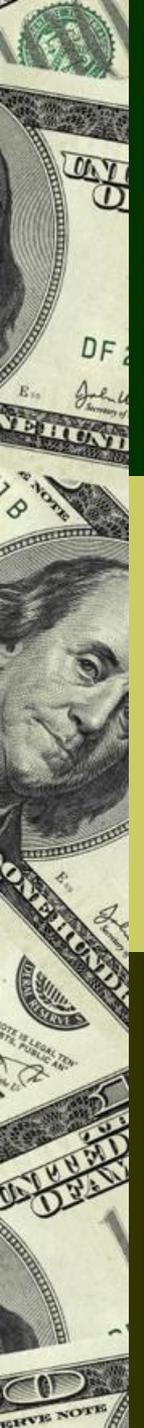
Additional Federal Programs

US Department of Agriculture Rural Development

- **Rural Energy for America Program**
 - **Ethanol Infrastructure Grants and Loan Guarantees**
- **Advanced Biofuel Payment Program**
- **www.rurdev.usda.gov/Energy.html**

Voluntary Airport Low Emission Program (VALE)

- **Reduce Ground Emissions at Airports in Nonattainment and Maintenance Areas**
 - **Low Emission Vehicle Programs**
 - **Refueling/Recharging Stations**
- **www.faa.gov/airports/environmental/vale/**



IRS TAX CREDITS/INCENTIVES

Advanced/Alternative Fuel Vehicles

Fuel Cell Motor Vehicle Tax Credit

- **\$4,000 Through 12/31/2014**
- **IRS Form 8910**

Qualified Plug-In Electric Drive Motor Vehicle Tax Credit

- **Ranges from \$2,500 to \$7,500 Depending Upon Battery Capacity and GVWR**
 - **www.irs.gov/businesses/article/0,,id=219867,00.html**
- **Phase-Out Based on Volume Sales (200,000)**
- **Up to 10%, Max of \$4,000, for Qualified Conversions**

Idle Reduction Equipment Excise Tax Exemption

- **SmartWay – Verified Idle Reduction Technologies**
- **IRS Publication 510; Form 720**



IRS TAX CREDITS/INCENTIVES

Alternative Fuels

Alternative Fuel Excise Tax Credit

- **\$0.50/Gallon or Gasoline Gallon Equivalent for Natural Gas (CNG or LNG), Propane (LPG), Biomass-Based Fuels**
- **Tax-Exempt Entities May Claim if On-Site Refueling**
- **IRS Publication 510; Form 637, 720, 4136, and/or 8849**

Biodiesel Income Tax Credit

- **\$1.00/Gallon of Pure 100% Biodiesel Used as On-Road Fuel**
- **Certain Documentation Required**
- **Fuel Must Meet ASTM Specification D6751**
- **IRS Publication 510; Form 637 and/or 8864**

Volumetric Ethanol Excise Tax Credit (VEETC)

- **\$0.45/Gallon Pure Ethanol Blended**
- **IRS Publication 510; Form 637, 720, 4136, 6478, and/or 8849**

Other Credits/Incentives for Fuel Blenders and/or Producers



IRS TAX CREDITS/INCENTIVES

Alternative Fueling Infrastructure

Alternative Fuel Infrastructure Tax Credit

- **Eligible Fuels: Biodiesel Blends (Minimum 20% Biodiesel), Electricity, E-85 Ethanol, Hydrogen, Natural Gas, Propane**
- **Incentive Amounts**
 - **50%, Up to \$50,000, of Installation Costs**
 - **Property Placed in Service in Calendar Years 2009 or 2010**
 - **30%, Up to \$30,000, of Installation Costs**
 - **Property Placed in Service in Calendar Year 2011**
 - **Up to \$200,000 for Hydrogen through 12/31/2014**
 - **Up to \$1,000 for Residential Refueling Equipment**



STATE FUNDING OPPORTUNITIES

Texas Programs

Texas Emissions Reduction Plan (TERP) Program

- **Emission Reduction Incentive Grant (ERIG) Program**
- **Rebate Grants**
- **Texas Clean Fleet Program**
- **New Technology Research and Development Grants**
- **NEW PROGRAMS**
 - **Alternative Fueling Facilities Program**
 - **Clean Transportation Triangle**
 - **Texas Natural Gas Vehicle Grant Program**
- **www.terpgrants.org**



STATE FUNDING OPPORTUNITIES

Texas Programs

Texas Clean School Bus Program

- www.tceq.texas.gov/p2/clean-vehicles/school-buses.html

Texas General Land Office

- **Natural Gas Vehicles**
- www.glo.state.tx.us/altfuels/NGIPG.html

Texas Railroad Commission

- **Propane Vehicles or Equipment**
- www.propane.tx.gov/rebate_program/index.html

Supplemental Environmental Projects

- www.tceq.state.tx.us/legal/sep/find_sep.html



LOCAL OPPORTUNITIES

NCTCOG Programs

Clean Construction Equipment Program

Clean Fleets North Texas Program

Diesel Idling Reduction Program

Heavy-Duty Vehicle and Equipment Grant Program

North Central Texas Clean School Bus Program



CONTACT INFORMATION

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NCTCOG Funding Website

www.nctcog.org/aqfunding

NCTCOG Clean Vehicle Website

www.nctcog.org/cleanvehicles