



U.S. Department of Energy
Energy Efficiency
and Renewable Energy



Clean Cities FY09 Petroleum Reduction Technologies Projects for the Transportation Sector

**DFW Clean Cities Technical Coalition
Clean Vehicles and Infrastructure Funding Workshop**

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Funding Area of Interest 4 (DE-PS26-09NT01236-04) Alternative Fuel and Advanced Technology Vehicles Pilot Program

NCTCOG Emphasis Areas:

- Electric Vehicles (all-electric, hybrid electric, plug-in hybrid, etc) and Associated Infrastructure
- Other Alternative Fuel Vehicles (AFV) and Associated Infrastructure
- Green Truck Stops
- Diesel Emissions Reductions



Funding Area of Interest 4 (DE-PS26-09NT01236-04) Alternative Fuel and Advanced Technology Vehicles Pilot Program

Seeking applications for projects that expand the use of alternative fueled vehicles and advanced technology vehicles.

The installation or acquisition of infrastructure necessary to directly support an alternative fueled vehicle or advanced technology vehicle is also eligible.

Limited expenses associated with operation and maintenance of vehicles, infrastructure and other associated equipment acquired through the program are also allowable.

Special preference shall be for “Shovel Ready” applications that can rapidly implement vehicles and/or supporting fueling infrastructure projects while accelerating job creation and economic benefit. These “Shovel Ready” projects are expected to be well understood and mature, with design completed, sites ready for activation, and all permits approved. For projects that are in less mature design phases, proposals shall include realistic schedules required to complete the project within the project period of performance.



Funding Area of Interest 4 (DE-PS26-09NT01236-04) Alternative Fuel and Advanced Technology Vehicles Pilot Program

Vehicles That Will Be Eligible Under This Area Of Interest Are As Follows:

Light-, Medium-, and Heavy-Duty Vehicles:

- Vehicles using alternative fuels recognized by Energy Policy Act
- Fuel Cell Electric Vehicles
- Electric Hybrid Vehicles
- Plug-in Hybrid Electric Vehicles

Light-Duty Vehicles (only):

- Neighborhood Electric Vehicles (only if replacing full size on-road vehicles)
- Diesel Vehicles with 2009 MY or later emissions compliant (only if replacing gasoline powered vehicles and in conjunction with biodiesel fuel use)

Medium- and Heavy-Duty Vehicles (only):

- Hydraulic Hybrid Vehicles

Off-Road/Non-Road Alternative Fuel or Advanced Technology Vehicles:

- Ground Support Vehicles at Public Airports
- Medium and Heavy duty freight loading and handling high fuel use vehicles at ports or intermodal freight operations
- Other limited applications in conjunction with primarily on-road project



Funding Area of Interest 4 (DE-PS26-09NT01236-04) Alternative Fuel and Advanced Technology Vehicles Pilot Program

Other General Requirements:

- Operation and maintenance costs are limited to no more than 5% of the total project cost. Eligible operation and maintenance costs are limited to costs specific to operating vehicles or fueling infrastructure for alternative fuel or advanced technologies (i.e. costs above and beyond those associated with operating conventional vehicles and/or fueling equipment). For example, funding cannot be used for fuel, tires, driver salaries, etc.
- Applicants will be required to provide appropriate training for individuals associated with this project in partnership with their local Clean Cities coalition about the benefits of alternative fuel and advanced technology vehicles and provide them with strategies that will help them to maximize these benefits. This could include training for vehicle operators, first responders, public safety officers, and construction permitting officials in areas where alternative fuels are being introduced, among other target audiences.
- Proposals shall include a public awareness campaign aimed at educating the community in which the applicant is located about the project and its accompanying benefits. If publicly accessible facilities are included, the applicant must provide a marketing plan that includes any incentives and/or promotions to inform and educate the public on the availability and benefits of the fuel(s) being sold.



Funding Area of Interest 4 (DE-PS26-09NT01236-04) Alternative Fuel and Advanced Technology Vehicles Pilot Program Call for Partners

Partners:

- Will Contract with NCTCOG
- Bound to Provide Cost Share to Complete Project
 - 50% non-federal cost share for each project submitted (subject to limits on eligible vehicle costs)
 - Cost share form:
 - Cash
 - Services provided
 - Property contributions
- Responsible for Abiding by Project Deadlines Set by NCTCOG in Order for NCTCOG to Follow DOE Requirements
- Obligated to Fulfill Reporting Requirements



Funding Area of Interest 4 (DE-PS26-09NT01236-04) Alternative Fuel and Advanced Technology Vehicles Pilot Program Call for Partners

Identify Other Organizations Involved:

- Partner and Non-Partner Interested Parties
- Partnering Parties, Other Than NCTCOG, Must Provide Part of Cost Share and Provide Letter of Commitment with Application
 - Cost share form:
 - Cash
 - Services provided
 - Property contributions
- Potential Role of Non-Partner Parties:
 - Facilitate partnerships/publicize effort
 - Provide discounts on eligible technologies



Funding Area of Interest 4 Process to Partner with NCTCOG Alternative Fuel and Advanced Technology Vehicles Pilot Program Project Requirements

Geography:

- Open to All Entities Interested In Developing Projects Within the NCTCOG/DFW Clean Cities 16-County Designated Region:

Collin

Dallas

Denton

Ellis

Erath

Hood

Hunt

Johnson

Kaufman

Navarro

Palo Pinto

Parker

Rockwall

Somervell

Tarrant

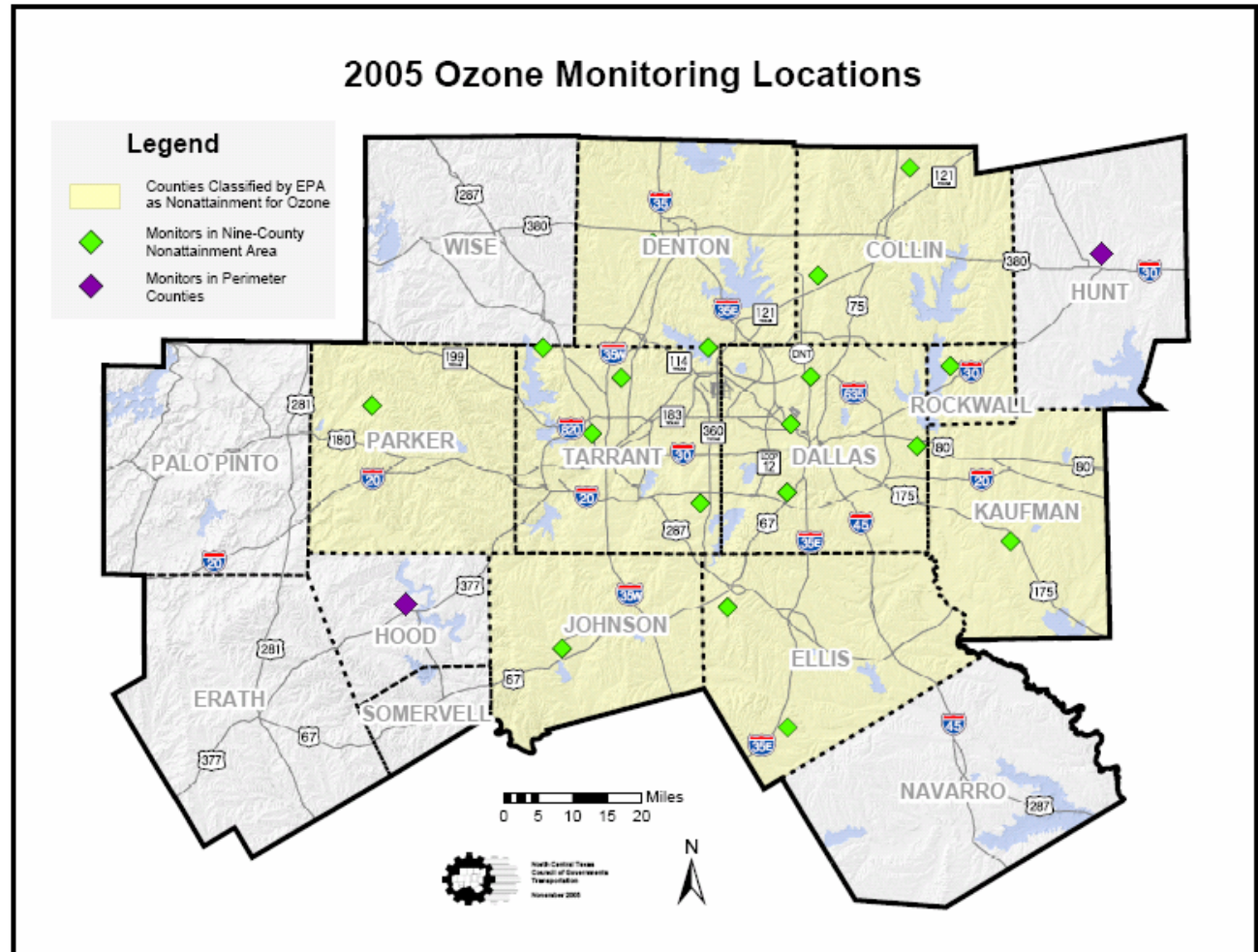
Wise

- Projects In **Bold** are Designated “Nonattainment” for the Pollutant Ozone Under 8-Hour Ozone National Ambient Air Quality Standards
- Projects Located Primarily Within Nonattainment Counties May Be Given Greater Emphasis



Funding Area of Interest 4 Process to Partner with NCTCOG Alternative Fuel and Advanced Technology Vehicles Pilot Program Project Requirements

- Collin**
- Dallas**
- Denton**
- Ellis**
- Erath**
- Hood**
- Hunt**
- Johnson**
- Kaufman**
- Navarro**
- Palo Pinto**
- Parker**
- Rockwall**
- Somervell**
- Tarrant**
- Wise**





Funding Area of Interest 4 Process to Partner with NCTCOG Alternative Fuel and Advanced Technology Vehicles Pilot Program Project Requirements

Project Goals:

- Assist in Economic Recovery
 - Create and retain jobs
 - Preserve existing jobs
- Decrease Dependence on Petroleum by Increasing Use of Alternative Fuels and Technologies
- Reduce Emissions of Nitrogen Oxides (NO_x) in Order to Contribute Toward Ozone Attainments
- Contribute to a Sustainable Alternative Fuel and Advanced Technology Vehicle Market with the Potential for Future Growth without Additional Federal Funding
- Expeditious Completion Time
 - All projects shall be completed within **two years** from the notice of award



Funding Area of Interest 4 Process to Partner with NCTCOG Alternative Fuel and Advanced Technology Vehicles Pilot Program Project Requirements

Activity Life:

- Five-Year Minimum
 - Purchase of new vehicle
 - Repower
 - Infrastructure
- Two-Year Minimum
 - Conversion/retrofit

Vehicle Technologies:

- All vehicles, including retrofits/conversion systems, **must be certified/approved by the U.S. Environmental Protection Agency (EPA) and/or California Air Resources Board (CARB) and meet the applicable Federal Motor Vehicle Safety Standards (FMVSS)** in order to be eligible for funding.



Funding Area of Interest 4 Process to Partner with NCTCOG Alternative Fuel and Advanced Technology Vehicles Pilot Program Application Process

Emphasis Areas:

- Electric Vehicles (all-electric, hybrid electric, plug-in hybrid, etc) and Associated Infrastructure
- Other Alternative Fuel Vehicles (AFV) and Associated Infrastructure
- Green Truck Stops
- Marketing and Outreach for Each Emphasis Area

NCTCOG Process:

- NCTCOG will Compile All Submitted Project Application Forms into Emphasis Areas
- Submission of Completed and Signed Project Application Form and Commitment Letter Constitutes Agreement by Submitting Organization to Carry Out Activities
- Prior to Submitting Proposals to DOE, Prospective Partners Will be Notified of Inclusion in Final Application



Funding Area of Interest 4 Process to Partner with NCTCOG Alternative Fuel and Advanced Technology Vehicles Pilot Program Funding Process

Funding Awards:

- Subgrant Awards Under or Related to This Call for Partnerships Subject To and Limited To Receipt of Funds
- NCTCOG Anticipates Executing Contracts with All Selected Project Partners if All Requested Funding is Awarded
- If Excessive Applications Received or Overall Program Receives Federal Funds at a Level Less than Requested by NCTCOG, a Competitive Process will be Instigated Focusing on:
 - Project cost-effectiveness
 - Emissions reductions
 - Petroleum use reductions
- NCTCOG May Base Funding Decisions on Other Factors Associated with Best Achieving Goals of Program



Funding Area of Interest 4 Process to Partner with NCTCOG Alternative Fuel and Advanced Technology Vehicles Pilot Program Funding Process

NCTCOG and Partner Obligations:

- NCTCOG is Not Obligated to Select a Project for Funding
 - Demonstrate marginal or unsatisfactory performance on previous grants or contracts
 - Determination of risks, including applicant financial condition will be taken into consideration
- NCTCOG May Select Parts of a Proposal for Funding and May Offer to Fund Less Than the Dollar Amount Requested in Proposal
- Partners Surrender Emissions Credits to NCTCOG
- Partners Will Implement Activities as Proposed if Funding is Awarded



Funding Area of Interest 4 Process to Partner with NCTCOG Alternative Fuel and Advanced Technology Vehicles Pilot Program Funding Process

Grant Administration and Reimbursement of Expenses:

- Successful Applicants Notified of Their Selection and Amount of Grant Funds Awarded
- Entities Awarded Grant Funds Required to Execute Contract with NCTCOG
- Grant Funds Paid Out on Reimbursement Basis for Eligible Expenses Incurred and Paid by Grant Recipient
 - Documentation Required Prior to Reimbursement

Reporting Requirements:

- Award Recipients Must Submit Quarterly Reports to NCTCOG
- Reporting Must be Done for Duration of Project Activity Life
- Reporting May Include Mileage, Hours of Operation, and/or Fuel Use



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Funding Area of Interest 4 Process to Partner with NCTCOG Alternative Fuel and Advanced Technology Vehicles Pilot Program Application Submittal

Must Submit Two (2) Complete Application Packets:

- **One Signed Hard Copy**
 - Address applications to:
North Central Texas Council of Governments
Transportation Department
Attn: ARRA Clean Vehicles
P.O. Box 5888
Arlington, TX 76005-5888
- **One Electronic Copy**
 - Preferred sent via e-mail (ARRACleanVehicles@nctcog.org)
 - May be submitted via regular mail on compact disc

All Applications Due to NCTCOG Offices by 5 p.m. CST on May 22, 2009



Funding Area of Interest 4 Process to Partner with NCTCOG Alternative Fuel and Advanced Technology Vehicles Pilot Program Application Submittal

Application Contents – Four Part Process with Tables:

- Part 1: Applicant Information (completed and signed)
- Part 2: Project Summary
- Part 3: Recovery Act Funding Priorities
- Part 4: Cost Share and Budget
- Tables:
 - Vehicle Information Table
 - Infrastructure Information Table
- **Additional Documentation (if applicable):**
 - Vehicle Certification, Partner Commitment Letters, Infrastructure Feasibility, Necessary Permits, Letter from Fuel Retailer



Funding Area of Interest 4 Process to Partner with NCTCOG Alternative Fuel and Advanced Technology Vehicles Pilot Program Timeline

Milestone	Date
Intent to Submit Form Due	April 10, 2009
Project Application Form with Commitment Letter	May 22, 2009
NCTCOG Notifies Potential Partners of Inclusion	May 27, 2009
DOE Anticipated Onset of Project Implementation	June, 2009
Project Completion Timeframe	Within two years from the notice of award



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Funding Area of Interest 4 Process to Partner with NCTCOG Alternative Fuel and Advanced Technology Vehicles Pilot Program Wrap Up

Questions Over Application and/or Grant Submittal Process?



Funding Area of Interest 4 Process to Partner with NCTCOG Alternative Fuel and Advanced Technology Vehicles Pilot Program Discussions

Emphasis Areas:

- Electric Vehicles (all-electric, hybrid electric, plug-in hybrid, etc) and Associated Infrastructure
 - Contact: **Jenny Danieau**
- Other Alternative Fuel Vehicles (AFV) and Associated Infrastructure
 - Contact: **Lori Pampell**
- Green Truck Stops
 - Contact: **Lori Pampell**
- Marketing and Outreach for Each Emphasis Area
 - Contact: **Pamela Burns**