

## The Clean Fuel Advanced Technology Project Overview

Improving air quality is important for North Carolina. According to the American Lung Association State of the Air 2007, over 36% of North Carolina's population is at risk for serious health concerns because of poor air quality. Clean Fuel Advanced Technology (CFAT) is a three-year project focused on reducing transportation related emissions in NC counties that have air quality concerns. The two million dollar project is funded by the NC Department of Transportation (DOT), State Energy Office (SEO) and the Division of Air Quality (DAQ) and covers three broad areas: education and outreach, project funding, and recognition of exemplary activities.

### *Education and Outreach*

- Outreach efforts will include annual conferences, technical workshops, presentations, regional meetings, informational materials, and individual consultations.
- The audiences for these outreach events include public and private fleet managers, civic organizations, non-profits, fuel providers, and other decision makers.
- For speaking events in:
  - The Charlotte area contact Jason Wager (704) 348-2707
  - The Triangle area contact Tobin Freid (919) 558-9400
  - Other areas of NC contact Anne Tazewell (919) 513-7831

### *CFAT Projects*

- Funds for transportation related emission reduction projects in 24 counties that do not meet national air quality standards
- Up to 80% of project costs available for alternative fuel vehicles, refueling infrastructure, idle reduction technologies, heavy duty hybrid electric vehicles/ buses and diesel retrofits
- Total project funding available is at least \$1.3 million
- Calls for projects in 2006, 2007, 2008

### *Mobile CARE (Clean Air Renewable Energy)*

- Recognition to acknowledge efforts in reducing emissions from transportation sources
- Exemplary fleets, programs, policies, individuals, etc. may be nominated or selected for annual award
- Open to government, business and individuals statewide



Please contact the following groups for more information:



### *Resources*

Visit the following websites to get more information about the technologies and practices that help conserve fuel and reduce emissions

- Triangle Clean Cities Coalition: [www.trianglecleancities.org](http://www.trianglecleancities.org)
- Centralina Clean Fuels Coalition: [www.4cleanfuels.com](http://www.4cleanfuels.com)
- North Carolina Solar Center: [www.cleantransportation.org](http://www.cleantransportation.org)



## Clean Fuel Advanced Technology (CFAT) Request for Proposals

Call for projects period: January 3-March 28, 2008

**2008 funds available: \$550,000**

### A. What is the purpose of the CFAT project funding?

- a. To reduce transportation related emissions from North Carolina counties with poor air quality

### B. Who can participate?

- a. Vehicle and fleet operators and fuel providers
- b. Public and Private entities in the following 24 counties: Cabarrus, Catawba, \*Chatham, Davidson, Davie, Durham, Edgecombe, Forsyth, Franklin, Gaston, Granville, Guilford, \*Haywood, \*Iredell, Johnston, Lincoln, Mecklenburg, Nash, Orange, Person, Rowan, \*Swain, Union and Wake (\*represents partial counties)

### C. What projects are eligible?

- a. Alternative Fuel Vehicles (AFVs)
  - i. Light and heavy duty vehicles and/or road construction equipment
  - ii. Fuel types: Compressed Natural Gas (CNG), Liquefied Natural Gas (LNG), Propane (LPG), Electricity
  - iii. A maximum of 80% of AFV price is eligible for reimbursement for public sector applicants. For private sector up to 80% of the incremental cost of AFV is eligible. Incremental cost is the difference in price between an AFV and a similar conventionally fueled vehicle
- b. Refueling Infrastructure
  - i. Equipment for dispensing and storing alternative fuels
  - ii. Eligible Equipment: Tanks, dispensers, signage, hoses, and related storage/refueling equipment, electric charging stations
  - iii. Fuels to be dispensed: Biodiesel (B20 and greater), Ethanol (E85), CNG, LNG, LPG, electricity
  - iv. Converting existing equipment to alternative fuel refueling equipment is eligible
- c. Idle Reduction Technologies
  - i. Mobile Idle Reduction Technologies (MIRT): direct fired heaters, auxiliary power units (APUs), automatic engine idling reduction
  - ii. Stationary Technologies: truck stop electrification (TSE) and Advanced truck stop electrification (ATSE)
- d. Hybrid Electric Vehicles
  - i. Hybrid electric buses and heavy duty hybrid electric vehicles (incremental costs only)
- e. Diesel Retrofits ( for on- road and rail diesel vehicles and road construction equipment)
  - i. Retrofits include: engine re-powering, and after-burn technologies (not fuel additives)
  - ii. Examples: diesel oxidation catalysts, crankcase filtration systems and particulate filters

### D. Project Requirements

- a. Cost Share (non-federal funds): applicants must provide a minimum of 20% of total project costs; in-kind cost share is eligible
- b. Rebate Program: funds are reimbursed after completion of project
- c. Emission Reductions: must document activities and NC Solar Center will calculate emissions reduced to report to NC DOT, DAQ, and SEO
- d. Reporting: quarterly and final reports will be required

### E. Application Procedures

- a. Guidelines and Application: [www.cleantransportation.org](http://www.cleantransportation.org) under Funding
- b. Questions? Charlotte area: Jason Wager 704-348-2707 ([jwager@centralina.org](mailto:jwager@centralina.org))  
Triangle area: Tobin Freid 919-558-9400 ([tobin@tjcog.org](mailto:tobin@tjcog.org))  
Other eligible areas: Anne Tazewell 919-513-7831 ([anne\\_tazewell@ncsu.edu](mailto:anne_tazewell@ncsu.edu))