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2010 CLEAN FUEL ADVANCED TECHNOLOGY PROJECTS ANNOUNCED
Funding Set to Reduce Transportation Emissions

Raleigh, N.C. - A total of $734,384 has been awarded by the North Carolina Solar Center at N.C. State University through the Clean Fuel Advanced Technology (CFAT) Project. The funds will be used to reduce transportation-related emissions in North Carolina counties that do not meet national ambient air quality standards. The CFAT Project is funded by the N.C. Department of Transportation to reduce emissions through education, outreach and the implementation of emission-reducing sub-awards that expand the use of alternative fuels and advanced transportation technologies.

“We are committed to reducing mobile emissions and protecting the environment in collaboration with our project partners," Transportation Secretary Gene Conti said. "For four years, this initiative has helped fund innovative projects aimed at improving air quality and educating our citizens about the importance of limiting emissions-related pollutants.”

Several awards will accelerate the use of electricity as transportation fuel. **N.C. State University’s Joyner Visitor Center** will convert a 2007 van to all-electric for use in campus tours. They will also install an Electric Vehicle (EV) charging station and set up an educational display in the Visitor Center lobby. **Advanced Energy**, a Raleigh- based non-profit, will purchase a Nissan Leaf, a 100-mile range, five passenger EV with availability anticipated in late 2010. The **City of Raleigh** will install two charging stations for use by public and City vehicles at street parking spaces, parking decks and/or City of Raleigh facilities. They will also purchase two hybrid passenger vehicles.

Four CFAT awards involve the use of neighborhood electric vehicles (NEVs). These all-electric vehicles have no tailpipe emissions and can be operated on streets with speed limits of up to 35 miles per hour and charged through ordinary 110-volt outlets. The **N.C. Department of Administration** will purchase three NEVs to replace vans currently used by Facilities Management. The **Town of Chapel Hill** will utilize a NEV for a downtown parking service pilot project in addition to purchasing a hybrid electric vehicle. The **University of North**

Carolina – Facilities Department will purchase two NEVs for housing support and two for mail services while **RTI International** will use funds to purchase three NEVs to replace current gasoline-powered vehicles for maintenance, mail and computer services on their 180-acre Durham campus. RTI will also install four charging stations total- two to support the new NEVs and two that can also be used by staff and visitors for recharging full-size passenger vehicles.

A total of nineteen hybrid electric vehicles (HEVs) will be utilized by CFAT award recipients. HEVs offer emission reduction and ease of use because they do not require plugging in for recharging. **Centralina Council of Governments** is purchasing one Honda Civic for staff use while **Nash County** and the **City of Cherryville** will purchase Ford Escape HEVs – Nash County will use four for Social Services and the City will purchase six for use by Public Works and the Police Department. The **Person County Health Department** and **Nash County Public Schools** will purchase two Toyota Pruis each. Salisbury-based **Food Lion** will use CFAT funds to purchase a Pluggable Hybrid Electric Terminal Truck.

CFAT funds will also go towards the purchase of three Honda Civic GXs by the **City of Winston-Salem.** These compressed natural gas (CNG) vehicles are consistently rated as the cleanest burning vehicles on the road today, and will utilize CNG refueling infrastructure already operated by the City. The **Iredell County Sheriffs Department** will convert thirteen existing Ford Crown Victoria police vehicles to operate on propane, a less expensive, cleaner burning alternative to gasoline. One CFAT funded project will expand the use of E85 (85% ethanol, 15% gasoline), a cleaner burning renewable-based fuel produced from plant material such as corn. **Kargo Corporation** will install an E85 tank and dispenser at an existing station located at 1210 New Bern Ave. in Raleigh. The station is convenient to many of the State's nearly 5,000 E85 capable flex fuel vehicles (FFVs) as well as several hundred in the area owned by private citizens. FFVs can operate on E85 or gasoline and are available at no extra cost to the purchaser.

Collectively, the sixteen grant recipients will contribute over $500,000 in cost share, providing 39 percent of total project costs while reducing transportation-related emissions.

About the Clean Fuel Advanced Technology Project: *A six year, $3 million dollar initiative of the Clean Transportation Program at the NC Solar Center (NCSC) currently funded through federal Congestion Mitigation Air Quality (CMAQ) funds administered by NCDOT. The NCSC has partnered with the Triangle Clean Cities and Centralina Clean Fuels Coalitions to conduct outreach in the Triangle and Charlotte Regions. From 2006-2009 over $1.2 million was awarded for 31 projects that are reducing an estimated 2.7 million kilograms of harmful emissions annually.*

About the NC Solar Center: *The NC Solar Center is a division of the College of Engineering at N.C. State University, operating since 1988 as a clearinghouse for information, demonstration, research, and training related to renewable and advanced technologies.*