

Connecticut Clean Cities Coalition Creates Comprehensive Constellation

Alternative Energy Projects Funded Throughout Constitution State

A coalition of Connecticut Clean Cities organizations kicked off a \$26.8 million, 4-year, state-wide future fuels demonstration project today in Hartford.

Using a combination of federal, state and municipal public funds, the Connecticut Clean Cities Future Fuels project (CTCCFF) assembled a constellation of projects to purchase, improve and/or retrofit a variety of fleet and public transportation applications and their associated alternative fueling stations throughout the state.

“Our goal is to assemble a best-in-class collection of the cleanest, readily available renewable energy resources in the country, for the benefit of Connecticut’s citizens in public and private capacities,” said Lee Grannis, the CTCCFF award recipient of the grant from the US Department of Energy.

Deploying 183 alternative fuel vehicles (AFV) and provide fueling capability and infrastructure to support 21 additional fleet vehicles, the CTCCFF project addresses wide-ranging applications. Alternative energy technologies engaged in the project include high capacity electric vehicle charging stations, a hydrogen production/dispensing station, multiple compressed natural gas and liquid natural gas vehicles and stations, and biodiesel fueling sites.

Specifically, the project will offset the incremental costs of:

- Providing four public access and six private fleet access fueling stations,
- Deploying 181 compressed natural gas (CNG) and liquid natural gas (LNG) vehicles,
- Deploying two light duty hybrid vehicles,
- Providing fuel for six hydrogen-powered transit buses; eight light-duty CNG vehicles; and, seven light-duty electric vehicles (EVs) or plug-in hybrid electric vehicles (PHEVs) in the state of Connecticut

The project also strengthens alternative fuel availability for fleets and commercial consumers along major state corridors and raises awareness and understanding of alternative fuels and advanced vehicle technologies.

According to Grannis, deploying the AFVs and building the supporting infrastructure, “Creates and/or retains jobs; reduces dependence on foreign oil; reduces harmful emissions and contributes to a sustainable alternative fuels market.”

The multi-year, multi-location project also represents an unprecedented cooperation between all of the Connecticut Clean Cities organizations in the state.

“We are very excited about the *Connecticut Clean Cities Future Fuels Project*. For the first time the four Clean Cities Coalition partners in Connecticut; (Greater New Haven Clean Cities, Norwich Clean Cities, Southwestern Connecticut Clean Cities and Capitol Clean Cities) will be able to work together to produce a statewide impetus for change,” said Grannis.

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Specifically, among the project's expected outcomes are:

- Execute the first collaborative, statewide multi-fuel deployment of AFVs and fueling stations by the collective Clean Cities Coalitions of Connecticut.
- Engage over 30 project partners including, non-profit organizations, state and local governments, private fleets and private enterprises, including several small businesses, for the largest deployment of alternative fuel infrastructure in the state.
- Commission the first LNG station east of the Mississippi River at Enviro Express in Bridgeport along I-95 in Southwestern Connecticut allowing the company to carry larger payloads as a result of reduction in fuel weight.
- Place key, fuel-neutral infrastructures in strategic locations across the state to accommodate a variety of existing, currently scheduled and planned vehicles, as well as the capacity to accommodate additional vehicles including, but not limited to: Ford EVs and PHEVs; and Nissan and Chevy PHEVs; which are anticipated for commercial availability in the state between the fall of 2010 and the summer of 2011.
- Demonstrate to state and local governments, fleets and consumers the benefits available across the state through the implementation of alternative fuels.
- Capture a variety of operational and performance data sufficient to establish best practice methodologies for future program deployments and installations across the country.
- In addition to commissioning 10 fueling stations and providing fuel for a total of 204 alternative fuel vehicles, the project will offer state-of-the-art training workshops, outreach and education materials, and a concentrated marketing and communications plan, featuring a Web site that tracks project accomplishments, and provides a wide array of educational, marketing and communication materials targeting near-term adopters of alternative fuels in Connecticut.

"We are extremely pleased to have so many partners in this ambitious undertaking," said Carla York, CEO of Innovation Drive, the technology commercialization firm contracted to act as project manager. "It has been a challenge to get the project to the launching pad, but we're very excited at the potential for real change in the area of alternative fuels both for the state of Connecticut and for similar efforts this project will produce in the future."

Along with the statewide cooperative efforts of the CTCCFF, the project has an added component with national impact. Included at the project outset and present throughout the installations is an advanced data capture program designed by Sabre Engineering. A leading in systems integration and automated data capture, the Sabre system uses state-of-the-art monitoring applications to capture real-time and delayed interval data suitable for various research applications. The data captured from the many project vehicles and installations will be used by the Department of Energy to assist in providing the required information for this project funded through the American Recovery and Reinvestment Act and in forming best practices for future projects.

For more information about the CTCCFF Project, consult the web site at www.ct-futurefuels.com

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Specific CTCCFF Project Partners:

Capital Clean Cities	Norwich Clean Cities	Southwestern Connecticut Clean Cities
Greater New Haven Clean Cities	Innovation Drive	Sabre Engineering
Big Fish Ad/PR Inc.	National Alternative Fuels Training Consortium	Connecticut Department of Transportation
Connecticut DECD	Connecticut DEP	City of Bridgeport
City of Meriden	Town of Fairfield	Town of Glastonbury
CTTRANSIT	Enviro Express	Metro Taxi
Nana Corporation	Yellow Cab	Executive Valet Parking
R & G Services	Norwich Public Utilities	Connecticut Municipal electric Energy Cooperative
Clean Energy	Air & Gas Technologies	Avalence
Southern Connecticut Gas Company	Connecticut Natural Gas Corporation	Signature Transportation Parts & Service Inc.
Bonner Electric Inc.	Manchester Honda	Matthews Bus

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