

# ***2012 DOE Vehicle Technologies Program Review Presentation***

## **Long Island Regional Energy Collaborative “Promoting a Green Economy through Clean Transportation Alternatives”**

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Project ID:  
ARRAVT052

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# **Overview**

## **“Promoting a Green Economy through Clean Transportation Alternatives”**

### **Timeline**

Commence Project: December 31, 2009

Project Completion: December 31, 2013

### **Budget Breakdown**

Federal Award - \$14,994,183

Local Match - \$21,414,689

Total - \$36,408,872

### **Alternative Fuel Vehicles**

135 Heavy Duty Compressed Natural Gas

11 Light Duty Compressed Natural Gas

### **Alternative Fueling Stations**

5 Compressed Natural Gas

### **Total Diesel Fuel Displacement**

1,633,389 Gallons

### **Potential Job Creation**

604

# Approach Barriers

- Accessibility of alternative fuel vehicles and infrastructure equipment
- Economic Conditions - Ability of partners to complete projects
- Newly elected local administrations with different agendas caused some funding to be reallocated.

This delayed the completion of the Long Island Regional Energy Collaborative until June 2012



# Promoting Green Partnerships

## Prime Project Recipients

### Private

Engineered Energy Solutions  
National Grid  
V. Garofalo Carting, Inc  
Rides Unlimited of Nassau/Suffolk  
Family Residence Essential Enterprise

### Public

Town of Hempstead  
Town of Oyster Bay  
Village of East Rockaway  
Town of Huntington  
Suffolk County  
Town of Smithtown

## Private Project Partners

Greenfield Compressors  
Dejana Truck & Equipment  
Doering Equipment Co.  
Long Island Freightliner  
McNeilus Corp.  
Syosset Trucks

Cummins Westport  
Baytech Corp.  
Baker Equipment  
National Grid  
ANGI Energy Systems, Inc.  
BAF

# Relevance

## Long Island Regional Energy Collaborative

### Objectives

- Expand the use of alternative fuel vehicles that will allow the low carbon vehicle industry to grow and expand throughout Long Island.
- Strengthen the Long Island alternative fuel corridor to give Long Island a competitive edge to support the transportation industry interests of moving toward a low carbon future.
- Promote Projects that are shovel ready to promote long term economic and environmental sustainability.
- Reduce dependence on foreign petroleum to advance the use of cleaner, secure and more sustainable fuels.
- Stimulate “Green” economic growth to create jobs for our local and national economy.
- Improve regional air quality in the Long Island non- attainment area of Nassau and Suffolk Counties.
- Promote long term economic and environmental sustainability through training, monitoring, education and outreach.

## Building The Long Island Regional Energy Collaborative

- To help build a sustainable future, the Greater Long Island Clean Cities Coalition (GLICCC) developed a program entitled the Long Island Regional Energy Collaborative with a core mission of *promoting a “green” economy through clean transportation alternatives.*
- Through the Long Island Regional Energy Collaborative, GLICCC helped Long Island transform into a fuel independent, efficient and environmentally responsible region.
- With GLICCC’s excellent track record of carrying out successful alternative fuel programs through multiple public/private partnerships, the Coalition is confident the Long Island Regional Energy Collaborative will serve as an effective model to the state of New York and the rest of the country.

# ARRA: A Unique Opportunity



Understanding the critical need to address today's challenges that range from a failing economy, to dependence on foreign fossil fuels, and climate change, GLICCC views the American Recovery and Reinvestment Act (ARRA) as a essential step to improving Long Island's and our Nation's situation.

# Technical Accomplishments and Progress

- Vehicles Status
  - 129 CNG Completed
  - 18 Ordered, awaiting Delivery
- Infrastructure Status
  - 4 CNG Fueling Station Completed
  - 1 CNG Under Construction - Final Stages

**Jobs Created!!**



# Rides Unlimited of Nassau/Suffolk Accomplishments

- 15 New CNG Buses
- 18 CNG Retrofitted Vans & Buses
- Transports 1400 Handicapped Students & Adults a day - Completed



# Family Residence Essentials Enterprise (FREE) Accomplishments

- 15 CNG Retrofitted Vans
- 5 New CNG Buses
- Transports 2500 Handicapped Adults a day
- Sister Company – Rides Unlimited
- Completed



# EES Accomplishments and Progress

- Engineered Energy Solutions (EES) CNG Station at Rides Unlimited of Nassau/Suffolk under construction – June 2012 Completion





# EES Accomplishments

- Engineered Energy Solutions (EES) CNG Station at Middle Country School District - Completed - Open to public



EES & Congressman Tim Bishop Attended Grand Opening 2010

# National Grid Accomplishments and Progress

- 10 CNG Retrofitted Vans - Completed
- 14 CNG Cab Trucks – Delivery June



## Town of Oyster Bay Accomplishments and Progress

- Town of Oyster Bay CNG Station Completed - Open to public – Grand Opening Planned for Summer 2012
- Town of Oyster Bay CNG Vehicles – 35 retrofitted, 5 new-completed
- 6 New CNG vehicles - awaiting delivery





# Suffolk County Accomplishments

- 3 CNG Heavy Duty Trucks - Completed
- CNG Station Westhampton Completed – Open to public↓
- ↓CNG Station Commack Completed- Open to public



# Town of Smithtown, Town of Huntington & The Village of East Rockaway - Accomplishments

- Town of Smithtown  
1 New CNG 2012 Freightliner Roll Off Truck  
Completed
- Village of East Rockaway  
2 New CNG Recycling/Refuse Trucks  
Completed
- Town of Huntington  
2 New CNG Refuse Trucks  
4 CNG Retrofitted Refuse Trucks  
Completed





# V. Garofalo & Sons Carting Accomplishments and Progress

- 8 New CNG Refuse Trucks – Completed
- 2 New CNG Refuse Trucks – Awaiting Delivery



# Future Work

- Remaining 18 Vehicles Deployed – June 2012
- Remaining CNG Fueling Station Completed & Operational – June 2012
- Complete Training Programs -2012-2013
- Initiate Outreach/Media Events -2012-2013
- Complete project reporting and documentation - 2013
- Compliance w/ Federal Auditing Requirements -2013



# Project Summary

## Relevance

- Stimulate “Green” economic growth to create jobs for our local and national economy.
- Expand the use of alternative fuel vehicles and infrastructure that will allow the low carbon vehicle industry to grow and expand throughout Long Island.
- Promote long term economic and environmental sustainability through training, monitoring, education and outreach.

## Approach

- Contract execution, vehicle deployment, fueling station vendor selection/ permitting/construction, driver/mechanic training, fueling station commissioning, operations/project management/reporting

## Planned Accomplishments

- 128 vehicles ordered and deployed during 2011& remaining vehicles June 2012
- 4 fueling stations completed and operational prior to December 2011& remaining station June 2012
- Training and educational outreach during period December 2009 thru December 2013

## Collaborations

- With five private sector and six public sector prime project recipients including counties, towns, villages, private utility, carting company, and engineering firm as well as numerous private sector project partners.

# Contact Information

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