

# ***2010 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

## Long Island Regional Energy Collaborative

### **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

### **Barriers**

Accessibility of Alternative Fuel Vehicles and Infrastructure Equipment

Ability of Partners to Complete Projects

# Overview

## Long Island Regional Energy Collaborative

### **Alternative Fuel Vehicles**

105 Heavy Duty Compressed Natural Gas  
11 Light Duty Compressed Natural Gas

### **Alternative Fueling Stations**

5 Compressed Natural Gas

### **Total Diesel Fuel Displacement**

1,596,605 Gallons

### **Potential Job Creation**

484

# 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.

# Approach

## Long Island Regional Energy Collaborative

### Phase I – Contracting

Task 1 – Contract Execution (December 31, 2009)

### Phase II – Project Execution

Task 2 – Initial Truck Orders and Deployment (December 2009)

Task 3 - Driver, Mechanic Training (January 2010 – September 2010)

Task 4 - Fuel Station Vendor Selection (March 2009 – August 2010)

Task 5 - Alternative Fuel Station Permitting Including NEPA (March 2010 – June 2010)

Task 6 - Alternative Fuel Station Construction (July 2010 – June 2011)

### Phase III – Operations and Reporting

Task 7 - Alternative Fuel Station Commissioning and Ribbon Cutting (September 2010 - July 2011)

Task 8 - Operations, Project Management and Reporting (July 2011 – December 2013)

# Technical Accomplishments and Progress

- Sub-recipient Agreements signed with 9 of 9 project partners
- NEPA Documentation submitted for
  - 100% of vehicle purchases
  - 100% of vehicle conversions
  - 80% of infrastructure locations
- Orders placed for
  - 20 CNG Vehicles

# Collaborations/Partnerships

## Prime Project Recipients

Engineered Energy Solutions  
National Grid  
Town of Oyster Bay  
Village of East Rockaway  
Suffolk County

V. Garofalo Carting, Inc  
Town of Hempstead  
Town of Huntington  
Nassau County

## Project Partners

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

Cummins Westport  
Baytech Corp.  
Baker Equipment  
National Grid

# Future Work

- All Fueling Infrastructure Permits & NEPA documents submitted and approved
- All Vehicles Ordered
- All Fueling Infrastructure Equipment Ordered
- Initial Vehicles Received & Deployed
- Start Fueling Infrastructure Site Work
- Complete Training Programs
- Initiate Outreach/Media Events
- Complete project reporting and documentation
- Compliance with Federal Auditing Requirements

# 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

- 116 vehicles ordered and deployed during 2010
- 5 fueling stations completed and operational prior to December 2011
- Training and educational outreach during period December 2009 thru December 2013

## Collaborations

- With three 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.