

2011 DOE Vehicle Technologies Program Review Presentation

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

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May 12, 2011



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 2011)

Task 3 - Driver, Mechanic Training (January 2010 – September 2011)

Task 4 - Fuel Station Vendor Selection (March 2009 – June 2011)

Task 5 - Alternative Fuel Station Permitting Including NEPA (March 2010 – June 2011)

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

Phase III – Operations and Reporting

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

Task 8 - Operations, Project Management and Reporting (July 2010 – 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
 - 100% of infrastructure locations
- Infrastructure Completed & Operational
 - 1 CNG Fueling Station



Technical Accomplishments and Progress

- Vehicles Purchased and Deployed
 - 21 CNG Vehicles



- Vehicles Ordered
 - 48 CNG Vehicles Ordered



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 documents submitted and approved
- All Vehicles Purchased & Deployed
- All Fueling Infrastructure Completed & Operational
- 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 2011
- 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.

