

# NYSERDA Natural Gas Vehicle Programs

Patrick Bolton  
NYSERDA  
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# About NYSERDA

## Basic Facts About NYSERDA

- Established in 1975 by State Legislature
  - Executive level organization
- Cognizant energy agency for New York
- Mission: Advance innovative energy solutions in ways that improve New York's economy and environment
- Forge public/private partnerships with businesses, municipalities, residents, and other energy stakeholders to accomplish this goal

# NYSERDA Programs

## Research and Development

### Advanced Transportation Technologies and Underutilized Technologies

- About \$5 - \$7 million per year for feasibility studies all the way up to late stage demonstration of technologies. 50 – 50 cost share required up to a \$500,000 grant per round of the program.

# NYSERDA Programs

## Historical CNG Deployment Programs

- School Buses
- Taxis
- State/Municipal Fleets
- Transit
- Delivery Trucks
- Refuse
- Infrastructure



# NYSERDA Programs

## Current CNG Deployment Programs

- Vehicle programs focused primarily on refuse and local delivery trucks
- Infrastructure Development
- Outreach and Education

# NYSERDA Programs

## Alternative Fuel Vehicle Incentives

- NYT-VIP should be released within a few weeks with approximately \$6 million available to start
  - Class 3-8 CNG trucks and buses for the 5 boroughs of NYC
  - <http://www.Truck-VIP.gov/>



# NYSERDA Programs

## Other Eligible Programs

- 2012 – Regional Economic Development and Greenhouse Gas Reduction Program
  - 2 awards made for \$1 million each for approximately 65 new CNG trucks, 2 CNG stations, and maintenance garage modifications
- Upcoming Cleaner Greener Communities Program should also include transportation and CNG as eligible components. To be released by the end of June with \$30 million available.

# NYSERDA Programs

## Infrastructure Development

- Finalizing funding for a new CNG infrastructure Program.
- Up to \$3.6 million to be available for publically accessible stations across the state.
- Tentative release in Summer of 2013.
- \$300-\$500k per station.





# Fueling Infrastructure

Public compressed natural gas refueling stations in Upstate New York (DOE, 2012)



# Fueling Infrastructure

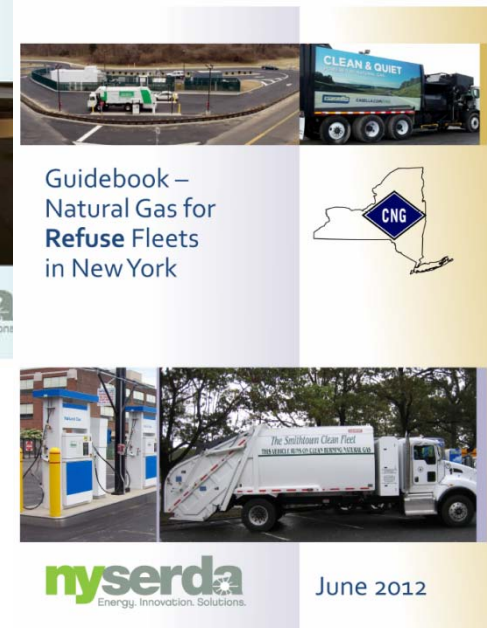
Public compressed natural gas refueling stations in Long Island and New York Vicinity (DOE, 2012)



# NYSERDA Programs

## Education and Outreach

- 2012 held 5 outreach seminars across New York
- Developed case studies and manuals for refuse and delivery fleets with New York specific information.
  - Downloadable from the NYSERDA website [www.nyserda.ny.gov](http://www.nyserda.ny.gov)
- 2013 – hosting a series of 18 CNG events around New York
  - 6 CNG 101 seminars
  - 6 ROI investment seminars
  - 6 Maintenance garage upgrade seminars



# NYSERDA Programs

## Education and Outreach

- **Fleet Studies**
- Studies on how to integrate alternative fuels into their fleets
- Through the NYSERDA FlexTech program
- NYSERDA covers up to 50% of cost
- Open to public and private fleets.

# Additional Incentives

## What else is out there?

- Incentives
- NYS Alternative Fuel Tax Exemption - \$.44 per GGE on natural gas (no petroleum business tax [PBT], no motor fuel tax, no state & local sales tax). Expires August 31, 2014
- Alternative Fuel Infrastructure Tax Credit (50% up to \$5,000/station)
- Potential return of federal Tax credits
- Federal programs from DOE, FTA, DOT
- Congestion Mitigation and Air Quality funding (CMAQ)
- Infrastructure developer/operator and utility incentives

# Case Study

## Frito-Lay Pepsico

- Frito-Lay purchased 5 regional hauling, class 8 CNG tractors for use in New York
- ROI for the entire cost of the truck – 18 months! Due to CNG vs diesel differential
- Key to success – access to public fueling.
- Outcome, Frito-Lay has found that the economic benefit of CNG is very favorable on its larger delivery trucks that have 300–500 mile routes.



Thank you!

## Contact NYSERDA for More Information

Patrick Bolton  
Senior Project Manager  
518-862-1090 ext 3322  
ppb@nyserda.ny.gov