



CENTER FOR TRANSPORTATION
AND THE ENVIRONMENT

DeKalb County/Metropolitan Atlanta Alternative Fuel and Advanced Technology Vehicle Project

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Clean Cities Atlanta

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DE-EE-0000370

Project ID: ARRAVT060

Overview

Timeline

- Start: March 8, 2010
- Finish: March 7, 2014
- 0% complete

Barriers

- Availability and pricing of CNG
- LFG-to-CNG production efficiency and reliability
- Public and fleet demand for CNG

Budget

- Total project funding
 - *DOE Share: \$14,983,167*
 - *Recipient share: \$24,681,387*

Partners

- County & City Governments
- Local & regional businesses
- Non-profits

Relevance

- Increase supply of alternative fuels
 - Implement LNG-to-CNG facility at DeKalb County landfill
- Increase availability of alternative fuels
 - Implement 6 Public-Access CNG refueling stations
- Increase demand for alternative fuels
 - Deploy 200 alternative fuel and alternative technology vehicles
 - *Sanitation, Delivery, and Airport Shuttles*
- Provide Outreach/Marketing/Training
- Collect & Report Operational Data
 - Vehicles, Infrastructure, Training & Outreach

Approach

| Month/Year | Milestone |
|---------------|--|
| April 2010 | 100% of NEPA documentation for vehicle purchases and refueling infrastructure installations submitted for review |
| June 2010 | 100% of sub-recipient agreements signed |
| July 2010 | 100% of NEPA documentation for vehicle purchases and refueling infrastructure installations approved |
| December 2010 | 80% of alternative fuel/technology vehicles ordered |
| December 2010 | 30% of fueling infrastructure construction started |
| June 2011 | 60% of alternative fuel/technology vehicles deployed |
| June 2011 | 30% of fueling infrastructure operational |
| August 2011 | 100% of fueling infrastructure construction started |
| December 2011 | 100% of alternative fuel/technology vehicle ordered |
| December 2011 | 100% of fueling infrastructure operational |
| March 2012 | 100% of alternative fuel/technology vehicles deployed |
| March 2012 | 100% of Training complete |
| December 2012 | 100% of Outreach/Marketing complete |
| March 2014 | 100% of Data Collection complete |

Collaborations/Partnerships

- DeKalb County
- City of Atlanta - Atlanta Airport
- PS Energy Group
- Coca Cola Enterprises
- United Parcel Service
- The Parking Spot
- Atlanta Airport Marriott
- Atlanta Airport Hilton
- City of College Park
- Sustainable Atlanta
- Clean Cities Atlanta
- Center for Transportation & the Environment



City of
Atlanta



Future Work

- 2010
 - Complete sub-recipient contracts agreements
 - Receive NEPA Categorical Exclusions
 - *Or conduct Environmental Assessments, as needed*
 - Order 80% of vehicles
 - Initiate vehicle deployment
 - *Begin vehicle training*
 - Complete design and permitting of all infrastructure projects
 - Initiate construction of infrastructure projects

- 2011
 - Order remaining vehicles
 - Continue vehicle deployment
 - *Continue vehicle training*
 - *Conduct Outreach/Marketing events around vehicles*
 - *Begin Data Collection on Vehicles*
 - Complete construction on CNG refueling stations and LFG-to-CNG conversion facility
 - Begin operations of CNG refueling stations and LFG-to-CNG conversion facility
 - *Conduct infrastructure training*
 - *Conduct Outreach/Marketing events for station and conversion facility openings*
 - *Begin Data Collection on refueling stations and conversion facility*

- 2012
 - Complete Vehicle Deployments

Summary

The Clean Cities Atlanta Coalition has established a program goal of expanding the use of alternative fuels and advanced technology vehicles in the metropolitan Atlanta region. Deemed a non-attainment area for particulate matter (PM_{2.5}) and ozone, including its precursors nitrogen oxides (NO_x) and volatile organic compounds (VOCs), by the Environmental Protection Agency, the Atlanta region will achieve significant public health benefits from emissions reduction. This collaborative will provide a template for the expanded use of locally produced renewable transportation fuel in support of energy independence. Finally, this project will demonstrate the viability of advanced technology vehicles in a variety of applications.