



The Ohio Advanced Transportation Partnership (OATP)

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Project ID: ARRAVT054

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SUMMARY

Through the deployment of 283 alternative fuel and advanced technology vehicles and the construction of 18 fueling and charging locations, OATP will reduce petroleum use in the state of Ohio and thus reduce harmful emissions and improve air quality.

This project will serve as a catalyst to help transform Ohio's transportation sector to one that relies less on petroleum. OATP partners will share their success stories with other fleets across the state. These fleets may in turn decide to deploy alternative fuel vehicles, which will lead to additional job creation, petroleum use reduction, and a strengthening of our country's energy security.





OVERVIEW

Timeline

• Start: February 1, 2010

• Finish: December 31, 2013

• 5% Complete

Budget

Total Project - \$29,316,451

- DOE Share \$11,041,500
- Partner Contribution \$ 18,274,951

Barriers

- Increased demand of AFVs vs. OEM availability
- Insufficient competition among vendors in industry = higher prices
- Recession
- Federal Requirements

Partners

The Ohio Advanced Transportation
Partnership is comprised of 25 partners.
Partners include representatives from government, private and non-profit fleets.





OBJECTIVES

- •OATP will create new jobs as well as save existing ones
- OATP will facilitate sustainable alternative fuel market in the region
 - Network of stations support future AFV use
 - Critical mass of AFVs support network of stations
 - Assist development of alternative fuel station corridor connectivity
- •OATP will reduce petroleum use, save energy, improve air quality, and increase energy security.





Estimated Reductions

NOx	PM	VOCs	CO2	Petroleum Use	GHGs
57,745.9 pounds	679.2 pounds	7,212.8 pounds	103,278.76 pounds	875,927 gallons / year	1,939,994.70 pounds

Based on Argonne National Laboratory models





OATP brings to Ohio the deployment of alternative fuel vehicles, construction of fueling and charging facilities, and public education campaigns, which represent significant investments in Ohio's transportation future.

The 283 alternative fuel vehicles include:

- •91 Compressed Natural Gas (CNG) vehicles
- •112 Propane vehicles
- •40 Hybrid Electric vehicles
- •2 Plug-In Hybrid Electric vehicles
- •38 Dedicated Electric vehicles

The 18 unique fueling locations include:

- •6 locations for electric vehicle charging
- •8 CNG stations
- •4 propane fueling sites

•75 marketing activities, media campaigns, training and public education events





APPROACH

Month/Year	Milestone
April-May 2010	Execute all sub-recipient contracts
July 2010	All NEPA EQs submitted and approved
December 2010	Vehicle ordering 50% complete
January 2011	Fueling infrastructure 33% complete
February 2011	Vehicle deployment 50% complete
July 2011	Vehicle ordering 100% complete
October 2011	Completion of training activities
October 2011	Vehicle deployment 100% complete
November 2011	Completion of outreach/education activities
December 2011	Fueling infrastructure 100% complete





TECHNICAL PROGRESS

- 4 contracts with sub-recipients signed and executed
- Project launch and media event completed
- Media campaign to promote OATP ongoing
- NEPA Documentation submitted for
 - 100% of vehicle purchases
- Orders placed to date
 - 3 Propane School Buses
 - 1 CNG Ford Transit Connect
 - 5 Dedicated Smith Electric Delivery Trucks
- Technical Assistance for infrastructure locations 50% complete
- One propane fueling station 100% complete







Pike Delta York Local Schools









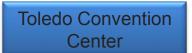
























Cleveland Yellow Cab



Friends Business Service



City of Dublin, Ohio





PARTNERS

Private:

Cleveland Ace Taxi Service

Cleveland Yellow Cab

Columbus Green Cabs

Columbus Regional Airport Authority

Friends Business Service

Frito-Lay

Industrial Fluid Management

Kirk Energy Group

Kramer Enterprises

Moyer Industries

Rumpke of Ohio

Sharp Community Resources

Staples

Toledo Convention Center

Government:

City of Cincinnati

City of Columbus

City of Dublin

City of Hamilton

Franklin County

Non-profit:

Ansonia Local Schools

Mid-Ohio Foodbank

Pike-Delta-York Local Schools





FUTURE WORK

Activities for Next Fiscal Year (Phase 2)

- Build on Preparatory Work from Phase 1
- Complete NEPA process for Vehicle and Infrastructure Projects
- Complete Vehicle Ordering
 - Target completion: July 2011
- Complete Equipment Ordering
 - Target completion: July 2011
- Complete Station Grand Openings: Summer 2012
- Assist Partners with Media Events
- Partners will Complete Driver and Operator Training
- Hold Consortium Meetings and Collaborative Sessions on Project Technologies
- Launch Marketing and Outreach Campaign
- Data Collection and Inventory Tracking







The mission of Clean Fuels Ohio is to increase the use of cleaner domestic fuels, vehicles, and energy-saving transportation technologies in order to improve air quality and health, reduce climate change, support Ohio's economy and curb dependence on imported petroleum.