



The Ohio Advanced Transportation Partnership



The Ohio Advanced Transportation Partnership (OATP)

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June 9, 2010

Project ID: ARRAVT054

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The Ohio Advanced Transportation Partnership



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.



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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.



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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.



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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



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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

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

The 18 unique fueling locations include:

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



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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



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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



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Pike Delta York
Local Schools



Ansonia
Local Schools



Industrial Fluid
Management



City of Hamilton



Toledo Convention
Center



Kramer
Enterprises



Cleveland Yellow Cab

Friends Business
Service





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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



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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



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Clean Fuels Ohio

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.