

Wisconsin Clean Transportation Program



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Project ID #
ARRAVT048

Program Overview

Timeline

- Start - January 2010
- Finish - December 2013
- 24% complete

Budget

- Total project funding
 - \$15,000,000 – DOE share
 - \$17,000,000 – recipient share (via vehicle and infrastructure purchases)
 - \$14,478 – Stripper PVE Funds
- Funding Received FY10 - \$2.2 million
- Funding for FY11– \$11.5 million

Barriers

- Vehicle delivery and deployment
- Infrastructure completion
- Technology availability and performance

Partners

- OEI - Project Lead, Reporting
- Wisconsin Clean Cities (WCC-SEA) - Outreach
- Technical Consultant – Training, Technical Issue
- 36 Public and Private fleets – vehicles and infrastructure deployment

Program Objectives

To meet American Recovery and Reinvestment Act of 2009 (ARRA) and the VT ARRA project goals by:

- Increasing use of alternative-fuel vehicles (AFVs) and advanced technology vehicles at public and private fleets settings;
- Installing infrastructure necessary to directly support AFVs or advanced-technology vehicles;
- Maximizing the preservation and creation of jobs by investing in the technology and training necessary to continue to develop a strong alternative fuels industry; and
- Providing ongoing program support for the operation, performance and maintenance of vehicles, infrastructure and other associated equipment acquired through the program.

Approach – Project Management

- Assign program management team members with specific responsibilities and participate in weekly status updates.
- Coordinate project schedule and coordination of all project-related activities with a vehicle and infrastructure deployment date of 12/31/2011.
- Finalize subcontract agreements with project partners
- Monitor current contract compliance and fleet project status (every two months) via site visits/conference calls with partners.

Approach – Vehicle Deployment

- Overall program - completed vehicle NEPA EQ, received categorical exclusion for all types of vehicles purchased.
- Fleet must receive approval of purchase before order is placed.
- Assist fleets with actions necessary to enable vehicle purchase.
 - securing vehicle technology certifications, drafting specifications, issuing Requests for Quotes (RFQs), evaluating quotes
- Purchase and take delivery of vehicles.
- Apply of appropriate signage to vehicles.
- Monitor performance of vehicles to ensure meeting goals of program - issues, take action with OEM and fleet to ensure timely and reasonable resolution.

Approach – Infrastructure Deployment

- Completed Infrastructure NEPA EQ –
- Work with fleets to complete actions necessary to begin construction and/or retrofit:
 - drafting specifications, issuing Requests for Quotes (RFQs),, evaluating quotes.
 - assist with Buy-American waivers, as needed.
- Installation/Development of Fueling Infrastructure
 - Ensure Davis-Bacon compliance
- Application of appropriate signage to fueling infrastructure including all required.
- Monitor performance of infrastructure to ensure meeting goals of program.

Approach – Training and Outreach

- Identify AFV/HEV/FCV-specific training and outreach needs of vehicle operators, vehicle technicians, vehicle staff, refueling site supervisors, refueling site staff, and individuals who will use refueling infrastructure.
- Develop training and outreach plan and to address needs
- Perform ongoing identification of additional training/outreach needs and hold follow-up training, as necessary
- Will see a significant amount of outreach and training this spring and summer as fleets get closer to or past deployment of vehicles and infrastructure.

Program Milestones

Month/Year	Milestone
Feb-10	Project Kick-off Meeting held
April-10	Resources Fair (Outreach)
May-10	Finalize 90% Sub-recipient agreements/contracts
Aug-10	Finalize remaining Sub-recipient agreements/contracts 50% of vehicle orders complete 75% of infrastructure equipment orders complete
Jun-11	Obligate remaining funding All NEPA EQs submitted and approved 100% of vehicle orders complete 50% of infrastructure complete
Dec-11	100% of vehicles/infrastructure deployed
Dec-13	ARRA/Programmatic reporting and data collection complete Completion of training activities Completion of outreach/education activities

Technical Accomplishments

- Funding:
 - Sub-recipient Agreements signed with 100% project partners a total of \$13.7 million obligated
 - \$3.6 million spent
 - \$3.8 million matched
 - 24% complete
- NEPA Documentation submitted for:
 - 100% of vehicle purchases
 - 100% of vehicle conversions
 - 93% of infrastructure locations, 1 pending

Technical Accomplishments

- Infrastructure:
 - 15 of 16 location approved
 - 4 of 16 sites complete – biodiesel, E85 and solar
- Vehicles:
 - 95% of vehicles ordered
 - 56 of 340 vehicles deployed (16%)
- Outreach/Training:
 - Kick-off meeting held on February 4th, 2010 – most partner fleets present
 - Resource Fair held for partner fleets April 16th, 2010 – included vendors and other fleet stakeholders not involved I the program
 - Two Plug-In Hybrid Utility Vehicle Trainings – August and March
 - Four Announcement Events – Overall Program, Oconomowoc Transport, Riteway Bus and Milwaukee County

Partnerships

- Project Management Team
 - OEI (primary recipient, state government) – responsible for contract negotiations and compliance, NEPA compliance, invoicing and reimbursement, reporting.
 - WCC-SEA (sub-recipient) – responsible for marketing and outreach efforts.
 - Technical Consultant (vendor) – responsible for vehicle and infrastructure technology deployment and performance monitoring, & training.

Partnerships

Fleet partners (Sub recipients) – responsible for vehicle and infrastructure deployment

Bayfield County	Madison Gas & Electric	Hribar (We Energies)
Bestway, LLC	Marquette	Transit Express (We Energies)
Brown County	Marshfield Utilities	Oconomowoc Utilities (WPPI)
Chippewa County Highway Dept.	Milwaukee County	Lake Mills Water & Light (WPPI)
City of Bayfield	Milwaukee Metro Sewerage District	Kaukauna Utilities (WPPI)
City of Durand	Oconomowoc Transport	New Richmond Utilities (WPPI)
City of Madison	Riteway Bus	New Holstein Utilities (WPPI)
City of Milwaukee	Stoughton Utilities	Cedarburg Utilities (WPPI)
Dane County	Sun Power Biodiesel, LLC	City Utilities of Richmond Center (WPPI)
Fox Valley Metro Police Dept.	University of Wisconsin - Madison	Menasha Utilities (WPPI)
Jefferson County Sheriff's Dept.	We Energies	WI DOA - Enterprise Services
Kenosha County	Paper Transport (We Energies)	WI Department of Corrections

Future Work Activities

- Complete Remaining NEPA forms for 1 propane infrastructure location
- Work With Partner Fleets to Complete Vehicle Ordering - Target completion (March 2011)
- Complete Infrastructure Equipment Ordering - Target Completion (March 2011)
- Station Grand Opening Events (To be determined as stations are complete)
- Operator Training (one in march 2011, then as needed by fleets)
- Marketing and Outreach – All Scheduled Wisconsin Clean Cities Events in 2011 will include the Wisconsin Clean Transportation Program into the schedule, other announcement events will occur in spring 2011.
- Ongoing ARRA and Programmatic Data Collection – working on providing an online data submission system through the state portal for participating fleets

Summary

- Program management will continue to include technical coordinator and working with Wisconsin Clean Cities coalition to successfully administer this grant until December 31, 2013.
- Program portfolio includes: Solar, CNG, Propane, E85, Biodiesel, Electric, Diesel & Gasoline Hybrid-Electric, Neighborhood Electric, and Plug-In Hybrid technologies
- Finalizing all 374 vehicles purchases and 16 infrastructure installations to meet DOE required purchase deadline of December 13, 2011.
- 100% of contracts in place, obligating 99% of funding available to fleets under this program
 - Any remaining funding will go to current fleets in program.