

Maryland Hybrid Truck Goods Movement Initiative

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Date: 6/9/10

Project ID # ARRAVT063

Overview

Timeline

- Project start date: 1/1/10
- Project end date: 12/31/13
- Percent complete: 2%

Budget

- Total project funding
 - DOE share: \$5,924,190
 - Recipient share: \$15,999,365

Barriers

- Production volumes may be insufficient to sustain OEM commitments
- Minimally tested technology can cause fleet downtime
- Fleet downtime can cost money; lost revenue and repairs

Project Objectives

- Deploy 145 heavy duty hybrid trucks
- Reduce petroleum consumption and vehicle emissions
- Create and retain 68 jobs throughout the entire automotive supply chain related to DOE money
- Demonstrate the feasibility of this technology to accelerate its market penetration

Project Partners

Maryland Clean Cities

ARAMARK

Efficiency Enterprises

Nestle Waters North America

Sysco Corporation

United Parcel Service



EFFICIENCY ENTERPRISES, INC.



Maryland Hybrid Truck Goods Movement Initiative 4

Project Milestones

PROJECT MILESTONE	START DATE	COMPLETION	% COMPLETE
MEA executes contract with DOE	Jan 2010	Feb 2010	100%
Fleet Partners execute contract with MEA that includes Federal provisions	Feb 2010	March 2010	40%
Fleet Partners issue purchase orders for heavy duty hybrid trucks	March 2010	Aug 2010	2%
DTNA delivers trucks to Fleet Partners or body vendor as applicable	April 2010	March 2011	2%
Fleet Partners receive training (with deployment of first unit to location)	April 2010	Sept 2010	0%
"Ribbon Cutting" outreach campaign announcing successful start up	May 2010	June 2010	0%
Reporting of deployment, spending, activity levels, project obstacles and solutions	April 2010	July 2010	0%
Final technical report at conclusion of two year implementation period	Jan 2012	Jan 2012	0%
Final activity report at conclusion of four year project period	Dec 2013	Dec 2013	0%

Technical Accomplishments and Project Progress

Sub-recipient Agreements signed

- 2 of 5 project partners

NEPA Documentation submitted:

- 100% of vehicle purchases

Vehicles delivered:

- 3 out of 145

Jobs:

- Goal: 186
- Fleets: 117
- DOE funds: 69
- Report/truck: 0.4157
- Progress to date: 1.4283 of 69

Future Activities

- Complete fleet order
- Receive and deploy vehicles
- Fleet Training
- Outreach campaign
 - Finalize activities and marketing materials
 - Implement campaign

Summary

- **This project facilitates the adoption and utilization of heavy duty hybrid trucks**
 - Vital for the stimulation of markets
 - Creates/retains 68 direct jobs
 - Reduces petroleum consumption by 134,000 gallons annually
 - Highly visible success story for ARRA
 - Reduces GHG emissions by 637,000 lbs. per year