# Maryland Hybrid Truck Goods Movement Initiative

PI: Malcolm D. Woolf Maryland Energy Administration Date: 6/9/10

Project ID # ARRAVT063

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# **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

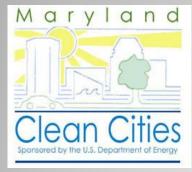
#### **Barriers**

- 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.



# **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