



PI: Malcolm D. Woolf  
Maryland Energy Administration  
Date: 5/17/12

Project ID # ARRAVT063

# Overview

## Timeline

- Project start date: 1/1/10
- Project end date: 12/31/13
- Percent complete: 83%

## Budget

- Total project funding
  - DOE share: \$5,924,190
  - Recipient share: \$10,075,175

## Barriers

- Supply chain issues have delayed deployment
- Minimally tested technology can cause fleet downtime
- Fleet downtime can cost money; lost revenue and repairs

# Project Objectives

- Deploy 143 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	100%
Fleet Partners issue purchase orders for heavy duty hybrid trucks	March 2010	July 2011	100%
DTNA delivers trucks to Fleet Partners or body vendor as applicable	April 2010	June 2012	83%
Fleet Partners receive training (with deployment of first unit to location)	April 2010	June 2012	83%
"Ribbon Cutting" outreach campaign announcing successful start up	May 2010	June 2010	100%
Reporting of deployment, spending, activity levels, project obstacles and solutions	April 2010	July 2010	83%
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

- 5 of 5 project partners

NEPA Documentation submitted:

- 100% of vehicle purchases

Vehicles delivered:

- 119 out of 143

Jobs:

- Goal: 186
- Fleets: 117
- DOE funds: 68
- Progress to date: 68 of 68

# Future Activities

- Receive and deploy vehicles
- Fleet training
- Outreach campaign
- Technology evaluation
- Data collection

# 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



# Results Summary

- **Data through 4Q2011**
  - Jobs Created/retained 68 direct jobs
  - Cumulative Miles Driven: 1,168,218
  - Average Miles per Gallon: 8.29
  - Diesel Gallons Saved: 28,326