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Maryland Energy Administration
Date: 5/17/12
Project ID # ARRAVT063

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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

Maryland Hybrid Truck Goods Movement Initiative
# Project Milestones

<table>
<thead>
<tr>
<th>PROJECT MILESTONE</th>
<th>START DATE</th>
<th>COMPLETION</th>
<th>% COMPLETE</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEA executes contract with DOE</td>
<td>Jan 2010</td>
<td>Feb 2010</td>
<td>100%</td>
</tr>
<tr>
<td>Fleet Partners execute contract with MEA that includes Federal provisions</td>
<td>Feb 2010</td>
<td>March 2010</td>
<td>100%</td>
</tr>
<tr>
<td>Fleet Partners issue purchase orders for heavy duty hybrid trucks</td>
<td>March 2010</td>
<td>July 2011</td>
<td>100%</td>
</tr>
<tr>
<td>DTNA delivers trucks to Fleet Partners or body vendor as applicable</td>
<td>April 2010</td>
<td>June 2012</td>
<td>83%</td>
</tr>
<tr>
<td>Fleet Partners receive training (with deployment of first unit to location)</td>
<td>April 2010</td>
<td>June 2012</td>
<td>83%</td>
</tr>
<tr>
<td>“Ribbon Cutting” outreach campaign announcing successful start up</td>
<td>May 2010</td>
<td>June 2010</td>
<td>100%</td>
</tr>
<tr>
<td>Reporting of deployment, spending, activity levels, project obstacles and solutions</td>
<td>April 2010</td>
<td>July 2010</td>
<td>83%</td>
</tr>
<tr>
<td>Final technical report at conclusion of two year implementation period</td>
<td>Jan 2012</td>
<td>Jan 2012</td>
<td>0%</td>
</tr>
<tr>
<td>Final activity report at conclusion of four year project period</td>
<td>Dec 2013</td>
<td>Dec 2013</td>
<td>0%</td>
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Maryland Hybrid Truck Goods Movement Initiative
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

Maryland Hybrid Truck Goods Movement Initiative
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