Wisconsin Clean Transportation Program

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Wisconsin Office of Energy Independence
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Project ID # ARRAVT048

This presentation does not contain any proprietary, confidential, or otherwise restricted information.
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
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.
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

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

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