



Kentucky Hybrid Electric School Bus Program

Principal Investigator:

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Presenter:

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Organization:

Kentucky Department of Education (KDE)

Date: May 5, 2010

Project ID:
ARRAVT062



Kentucky Hybrid Electric School Bus Program

- **Timeline:**

- Start: December 29, 2010
- End: December 31, 2013
- Percent complete: 25%

- **Total project funding:**

- DOE share: \$12.98 million
- Recipient share: \$15.34 million

- **Barriers and Risks:**

- The only barrier to spending in this project is Request for Application (RFA) processing time and lag time (approx. 90-100 days) between school bus order and delivery (when KDE is invoiced and funds can be drawn).

- **Partners:**

- Collaborations: Kentucky Department of Education (KDE), local school districts, Kentucky Department of Energy Development & Independence, Kentucky Finance & Administration Cabinet, Kentucky Department for Air Quality, Kentucky Clean Fuels Coalition, KY National Energy Education Development program, and hybrid electric school bus manufacturers (Thomas – Cummins ISB, Freightliner; IC Corp – MaxForce 7, International).
- Project lead: Kentucky Department of Education (KDE)



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- **FY10/FY11/FY12/FY13 Project:**
 - Kentucky Hybrid Electric School Bus Program
- **Project Objective:**
 - Replace approximately 213 diesel-powered school buses statewide with Type C-charge sustaining hybrid electric school buses.



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Milestones:

Month/Year	Milestone
December-09	<p>Milestone: 100% of Cycle 1 (of 3) sub-contract agreements signed.</p> <p>Milestone: 100% of NEPA documentation for vehicle purchases submitted and approved.</p>
March -10	<p>Milestone: Cycle 1 (of 3) Request for Application process completed.</p> <p>Milestone: 15% of vehicle orders complete.</p>
April-10	<p>Milestone: Updated Project Management Plan completed.</p> <p>Milestone: Kick-off meeting held.</p> <p>Milestone: Marketing/outreach meetings held with all Cycle 1 awarded school districts.</p>



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- **Technical Accomplishments:**
 - Sub-recipient Agreements signed for 22 project partners (school districts).
 - NEPA documentation submitted for 100% of vehicle purchases.
 - Orders placed for 34 hybrid electric school buses.



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- **Project Partners:**

- Kentucky Department of Education (KDE)
- Local school districts
- Kentucky Department of Energy Development & Independence
- Kentucky Finance & Administration Cabinet
- Kentucky Department for Air Quality
- Kentucky Clean Fuels Coalition
- KY National Energy Education Development program
- Hybrid electric school bus manufacturers (Thomas – Cummins ISB, Freightliner; IC Corp – MaxForce 7, International)



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- **Activities for next fiscal year:**
 - Cycle 2 procurement (RFA posted).
 - August 2010
 - First buses delivered and Back to School/Jump on Board events.
 - August 15, 2010
 - Complete vehicle ordering.
 - Target completion October 2010
 - Data collection.



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- **Summary:**

- The Kentucky Department of Education (KDE) met every task planned for the first cycle of school bus procurement, including completing the NEPA process and actions necessary to enable vehicle purchases.
- Cycle 1 Request for Application (RFA) was posted, and 34 hybrid electric school buses were awarded to 22 school districts across the Commonwealth.
- Project kickoff meeting was held with project partners.
- Upon award to school districts, the Kentucky Clean Fuels Coalition not only planned project outreach and marketing but also began executing the plan, meeting with several Superintendents, local Boards of Education, as well as transportation directors.
- We are well-positioned for work planned next fiscal year: Cycle 2 procurement, outreach/marketing, training and data collection.