

## **Hybrid Electric School Busses: the Road to Reduced Fuel Consumption, Healthier Children and Cleaner Air.**

Briefly stated, the objective of this project is to promote the market adoption of an efficient, sustainable, near-term advanced vehicle technology through direct market intervention. More specifically, the key objective of this project is to simulate market production of existing heavy-duty hybrid systems in a school bus application and to demonstrate the technology to school districts throughout the U.S. through daily operation of these vehicles.

Total project cost: \$1,890,191

Funding request: \$840,000

Project Lead: Advanced Energy

Project Participants: NYSERDA, NC Dept. of Environment and Natural Resources, NC Dept. of Public Instruction, FL Dept of Education, Durham School Services, Little Rock School District, Sigourney/Keokuk Community Schools District, Keota Community Schools, Nevada Community Schools

Start Date: June 1, 2006

End Date: June 1, 2009

### Presentations/Publications

None.

### Patents

None.

### Progress in Past Quarter and Current Status

This past quarter, three members of the Buyers' Consortium issued purchase orders: Jennings Transportation in Nazareth, PA, Manatee County in Florida, and Little Rock School District in Arkansas. To date, we have commitments for a total of 16 buses. We are pursuing other school districts to complete our order of 20.

We also transitioned the Buyers' Consortium into the Hybrid School Bus Evaluation Committee. We outlined our needs for a performance monitoring plan and an emissions monitoring plan.

### Plans for Next Quarter

We expect eight districts to submit purchase orders in the next quarter. We also expect to finalize the performance and emission monitoring plans.

