



eTec News

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“New York State Energy Research and Development Authority (NYSERDA) awards Electric Transportation Applications (A sister company to eTec) \$450,000 to evaluate NYSEERDA Plug-in HEV contracts awarded earlier this year.”

Electric Transportation Applications (ETA), a sister company to eTec recently signed a contract with the New York State Energy and Development Authority (NYSERDA) to conduct Baseline and Accelerated vehicle testing on the Plug-in Hybrid Electric Vehicles (PHEVs) recently awarded by NYSEERDA to a number of different vehicle conversion companies.

The vehicle testing will be performed in conjunction with and co-funding from the U.S. Department of Energy's Advanced Vehicle Testing Activity (AVTA). The PHEVs anticipated to be tested under this program include:

- ✓ Hymotion PHEV Prius, PHEV Escape and PHEV Civic
- ✓ Hybrids-Plus PHEV Escape
- ✓ Electrovaya PHEV Escape
- ✓ EnergyCS PHEV Prius

Baseline Performance Testing will utilize specifications developed by ETA in conjunction with vehicle manufacturers, and industry stakeholders (such as fleet managers), with the objective of measuring real-world vehicle performance. Data is collected including Fuel consumption, Acceleration, Gradeability, Road load coefficients (to support dynamometer testing), vehicle durability and charger performance. The Baseline testing will be conducted at an automotive manufacturer proving ground outside of the Phoenix Metropolitan area and Argonne National Labs Advanced Power Train Test Facility outside of Chicago Illinois where the dynamometer testing will be conducted.

Accelerated Testing rapidly provides performance and reliability data for these advanced vehicles by using dedicated drivers to drive vehicles on fixed routes in and around Phoenix, Arizona. This allows the accumulation of fuel economy data for trips of diverse length. At a minimum, fuel consumption, maintenance requirements and operating anomalies are recorded for all trips.

Upon completion of the Baseline Performance Testing and Accelerated Testing the vehicles will be assigned into appropriate New York State fleets for evaluation and performance monitoring.

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