Accelerated testing was completed in September 2008 and the final results can be found in the table to the right. The Hymotion Escape averaged 42.5 mpg over the 5,572 miles of testing (5,440-mile goal). Based on an electricity cost of 10 cents per kWh and a gasoline cost of $3.00 per gallon, the fuel cost was 1.56 cents per mile for electricity and 7.05 cents per mile for gasoline, for a total fuel cost of 8.61 cents per mile for the Hymotion Escape PHEV. The Escape HEVs tested by the AVTA averaged 27 mpg, so the conventional HEV Ford Escape fuel cost would average 11.11 cents per mile.

If the Hymotion Escape PHEV were operated for 100,000 miles at 42.5 mpg, it would use 2,353 gallons of gasoline while the HEV Escape would use 3,704 gallons of gasoline over 100,000 miles at 27 mpg – 57% more gasoline than the Hymotion Escape PHEV.

This testing also documented over 50+ mpg testing results when the Hymotion Escape PHEV is driven in urban applications, so depending how this vehicle is operated, actual petroleum savings can be much greater.

For more information contact:
EERE Information Center
1-877-EERE-INF (1-877-337-3463)
www.eere.energy.gov
Or http://avt.inl.gov