North American PHEV Demonstration

Fleet Summary Repo	rt: Hymotion Prius (V2Green data logger)
Number of vehicles:	78
Reporting Period:	July 2011

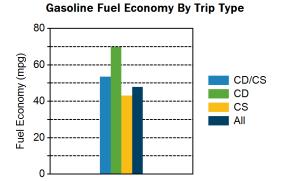
All Trips Combined

Overall gasoline fuel economy (mpg)	48				
Overall AC electrical energy consumption (AC Wh/mi) ¹	49				
Overall DC electrical energy consumption (DC Wh/mi) ²	34				
Total number of trips	5,966				
Total distance traveled (mi)	53,157				
Trips in Charge Depleting (CD) mode ³					
Gasoline fuel economy (mpg)	70				
DC electrical energy consumption (DC Wh/mi) ⁴	147				
Number of trips	2,176				
Percent of trips city / highway	87% / 13%				
Distance traveled (mi)	9,283				
Percent of total distance traveled	17%				
Trips in both Charge Depleting and Charge Sustaining (CD/CS) modes 5					
Gasoline fuel economy (mpg)	53				
DC electrical energy consumption (DC Wh/mi) ⁶	48				
Number of trips	338				
Percent of trips city / highway	50% / 50%				
Distance traveled (mi)	8,779				
Percent of total distance traveled	17%				
Trips in Charge Sustaining (CS) mode 7					
Gasoline fuel economy (mpg)	43				
Number of trips	3,452				
Percent of trips city / highway	78% / 22%				
Distance traveled (mi)	35,094				
Percent of total distance traveled	66%				
Number of trips when the plug-in battery pack was turned off by the vehicle operator ⁸	427				
Distance traveled with plug-in battery pack turned off by the vehicle operator (mi) ⁹	7,110				

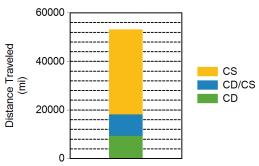
Vehicle Technologies Program

Date range of data received:

7/1/2011 to 7/31/2011 Number of days the vehicles were driven: 31



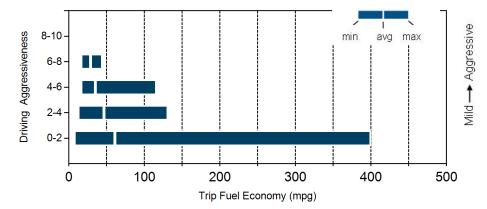




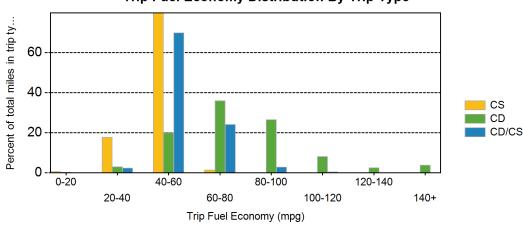
Notes: 1 - 9. Please see http://avt.inl.gov/pdf/phev/ReportNotes.pdf for an explanation of all PHEV Fleet Testing Report notes.

Trips in Charge Depleting (CD) mode	City	Highway
Gasoline fuel economy (mpg)	69	70
DC electrical energy consumption (DC Wh/mi)	173	110
Percent of miles with internal combustion engine off	42%	24%
Average trip aggressiveness (on scale 0 - 10)	1.7	1.6
Average trip distance (mi)	2.9	13.6
Trips in both Charge Depleting and Charge Sustaining (CD/CS) modes		
Gasoline fuel economy (mpg)	53	54
DC electrical energy consumption (DC Wh/mi)	88	42
Percent of miles with internal combustion engine off	33%	13%
Average trip aggressiveness (on scale 0 - 10)	1.9	1.5
Average trip distance (mi)	7.2	45.0
Trips in Charge Sustaining (CS) mode		
Gasoline fuel economy (mpg)	36	46
Percent of miles with internal combustion engine off	25%	10%
Average trip aggressiveness (on scale 0 - 10)	1.8	1.6
Average trip distance (mi)	3.4	34.2

Effect Of Driving Aggressiveness on Fuel Economy This Year



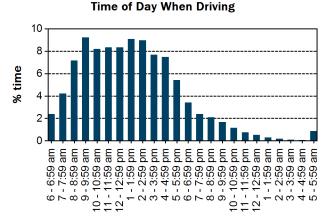
Aggressiveness factor is based on accelerator pedal position. The more time spent during a trip at higher accelerator pedal position, the higher the trip aggressiveness.

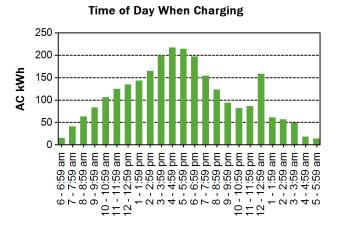




Plug-in charging

Average number of charging events per vehicle per month when driven	13	
Average number of charging events per vehicle per day when vehicle driven	0.9	
Average distance driven between charging events (mi)	52.5	
Average number of trips between charging events	5.9	
Average time plugged in per charging event (hr)	27.8	
Average time charging per charging event (hr)	2.5	
Average energy per charging event (AC kWh)	2.6	
Average charging energy per vehicle per month (AC kWh)	34.3	
Total number of charging events	1,012	
Total charging energy (AC kWh)	2,611	





Time of Day When Plugging In

