North American PHEV Demonstration

Fleet Summary Repo	rt: Hymotion Prius (V2Green data logger)
Number of vehicles:	81
Reporting Period:	May 2011

All Trips Combined

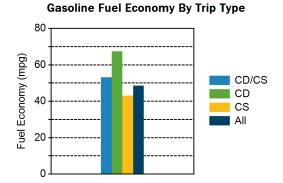
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Overall gasoline fuel economy (mpg)	49				
Overall AC electrical energy consumption (AC Wh/mi) ¹	56				
Overall DC electrical energy consumption (DC Wh/mi) ²	40				
Total number of trips	6,242				
Total distance traveled (mi)	56,360				
Trips in Charge Depleting (CD) mode 3					
Gasoline fuel economy (mpg)	67				
DC electrical energy consumption (DC Wh/mi) ⁴	142				
Number of trips	2,718				
Percent of trips city / highway	87% / 13%				
Distance traveled (mi)	12,522				
Percent of total distance traveled	22%				
rips in both Charge Depleting and Charge Sustaining (CD/CS) modes 5					
Gasoline fuel economy (mpg)	53				
DC electrical energy consumption (DC Wh/mi) ⁶	50				
Number of trips	390				
Percent of trips city / highway	42% / 58%				
Distance traveled (mi)	9,940				
Percent of total distance traveled	18%				
Trips in Charge Sustaining (CS) mode ⁷					
Gasoline fuel economy (mpg)	43				
Number of trips	3,134				
Percent of trips city / highway	76% / 24%				
Distance traveled (mi)	33,899				
Percent of total distance traveled	60%				
Number of trips when the plug-in battery pack was turned off by the vehicle operator ⁸	329				
Distance traveled with plug-in battery pack turned off by the vehicle operator (mi) ⁹	4,704				

Vehicle Technologies Program

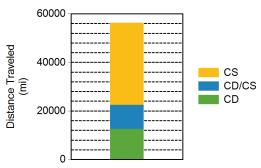
Date range of data received:

5/1/2011 to 5/31/2011

Number of days the vehicles were driven: 31



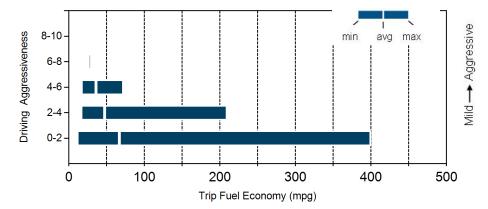
Distance Traveled By Trip Type



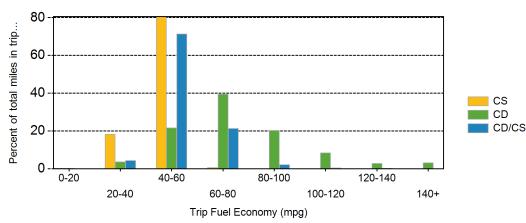
Notes: 1 - 9. Please see http://avt.inl.gov/pdf/phev/ReportNotes.pdf for an explanation of all PHEV Fleet Testing Report notes.

Trips in Charge Depleting (CD) mode	City	Highway
Gasoline fuel economy (mpg)	65	71
DC electrical energy consumption (DC Wh/mi)	164	112
Percent of miles with internal combustion engine off	37%	22%
Average trip aggressiveness (on scale 0 - 10)	1.8	1.7
Average trip distance (mi)	3.0	15.2
Trips in both Charge Depleting and Charge Sustaining (CD/CS) modes		
Gasoline fuel economy (mpg)	55	53
DC electrical energy consumption (DC Wh/mi)	77	46
Percent of miles with internal combustion engine off	29%	13%
Average trip aggressiveness (on scale 0 - 10)	1.8	1.7
Average trip distance (mi)	7.9	38.4
Trips in Charge Sustaining (CS) mode		
Gasoline fuel economy (mpg)	37	45
Percent of miles with internal combustion engine off	25%	10%
Average trip aggressiveness (on scale 0 - 10)	1.9	1.7
Average trip distance (mi)	3.1	35.1

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.

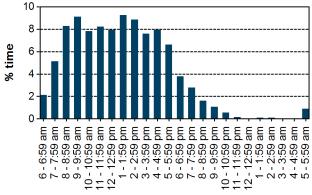


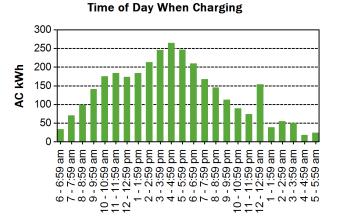
Trip Fuel Economy Distribution By Trip Type

Plug-in charging

Average number of charging events per vehicle per month when driven	15	
Average number of charging events per vehicle per day when vehicle driven	1.0	
Average distance driven between charging events (mi)	46.6	
Average number of trips between charging events	5.2	
Average time plugged in per charging event (hr)	24.5	
Average time charging per charging event (hr)	2.8	
Average energy per charging event (AC kWh)	2.6	
Average charging energy per vehicle per month (AC kWh)	39.3	
Total number of charging events	1,209	
Total charging energy (AC kWh)	3,183	

Time of Day When Driving





Time of Day When Plugging In

