North American PHEV Demonstration

Monthly report for: Madison 1
Vehicle ID:
Reporting Period: March 2009

Date range of data received:
3/1/2009 to 3/16/2009
Number of days when the vehicle was driven: 15

All Trips Combined

Overall gasoline fuel economy (mpg)	46
Total number of trips	96
Total distance traveled (mi)	801

Trips in Charge Depleting (CD) mode *

Gasoline fuel economy (mpg)	70
Number of trips	20
Percent of trips city / highway	60.00% / 40.00%
Distance traveled (mi)	135
Percent of total distance traveled	16.90%

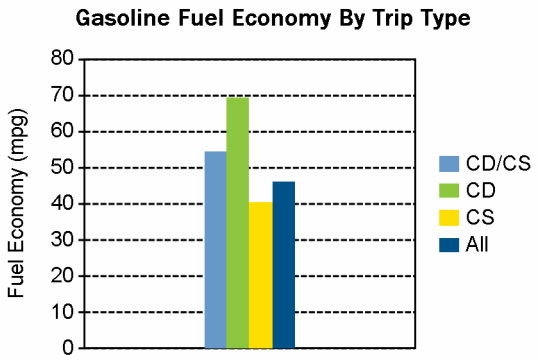
Trips in combined Charge Depleting and Charge Sustaining (CD/CS) modes**

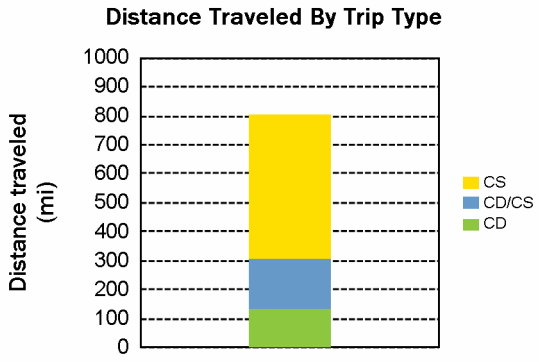
Gasoline fuel economy (mpg)	54
Number of trips	9
Percent of trips city / highway	44.40% / 55.60%
Distance traveled (mi)	170
Percent of total distance traveled	21.26%

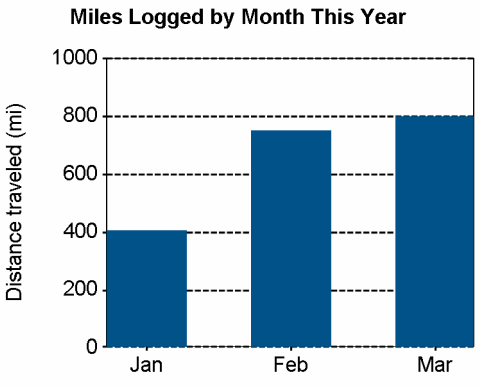
Trips in Charge Sustaining (CS) mode***

Gasoline fuel economy (mpg)	40
Number of trips	67
Percent of trips city / highway	56.70% / 43.30%
Distance traveled (mi)	495
Percent of total distance traveled	61.85%

Number of trips when the plug-in battery pack was turned off by the vehicle operator^	1
Distance traveled with plug-in battery pack turned off (mi)^^	13







* Trips when the plug-in battery pack charge is depeleted to propel the vehicle throughout entire trip

** Trips when the plug-in battery pack is depleted to propel the vehicle for a portion of the trip, but is fully depleted prior to the end of the trip

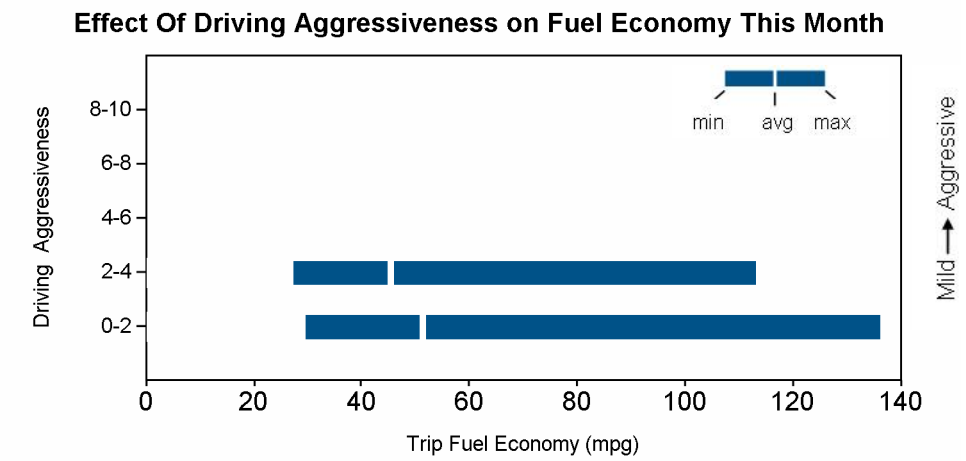
*** Trips when the plug-in battery pack is not used to propel the vehicle - either the plug-in battery is fully depleted before the beginning of the trip, or the plug-in battery pack is turned off

^ "Number of trips with plug-in battery pack turned off by the vehicle operator" is a subset of number of trips in combined CD/CS and CS mode

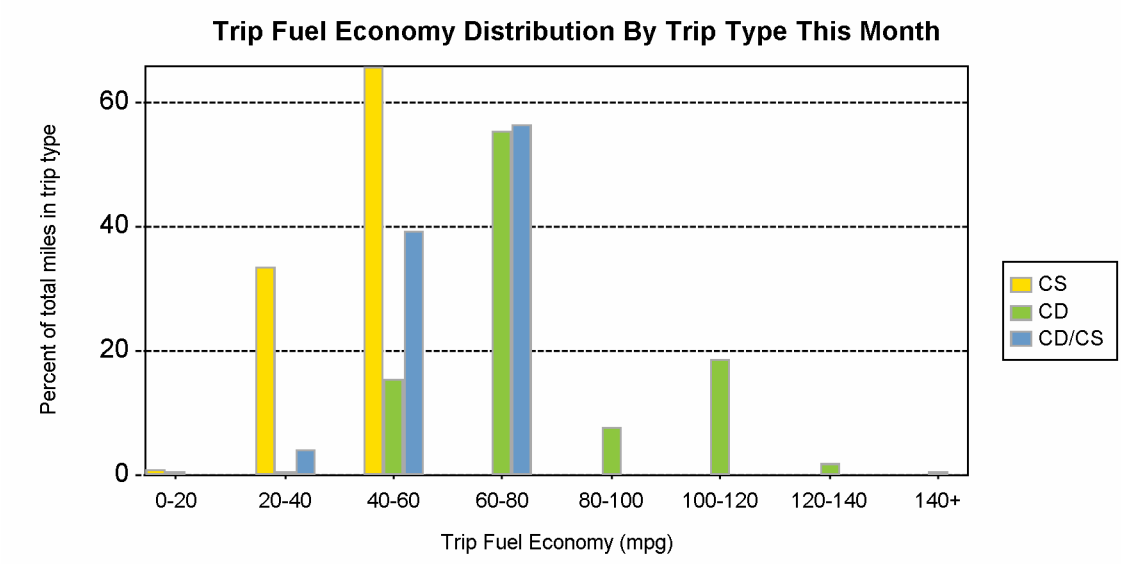
^^ "Distance traveled with plug-in battery pack turned off" is a subset of distance traveled in combinecd CD/CD and CS modes

Trips in Charge Depleting (CD) mode	City	Highway
Gasoline fuel economy (mpg)	69	70
Percent of miles in electric-only mode	28.00%	8.00%
Average trip aggressiveness (on scale 0 - 10)	1.7	1.3
Average trip distance (mi)	3.7	11.4
Trips in combined Charge Depleting and Charge Sustaining (CD/CS) modes		
Gasoline fuel economy (mpg)	47	57
Percent of miles in electric-only mode	5.00%	6.00%
Average trip aggressiveness (on scale 0 - 10)	2.1	1.6
Average trip distance (mi)	9.8	26.2
Trips in Charge Sustaining (CS) mode		
Gasoline fuel economy (mpg)	34	43
Percent of miles in electric-only mode	7.00%	6.00%
Average trip aggressiveness (on scale 0 - 10)	1.9	1.8
Average trip distance (mi)	2.8	13.4

Average ambient temperature this month: 36 deg F

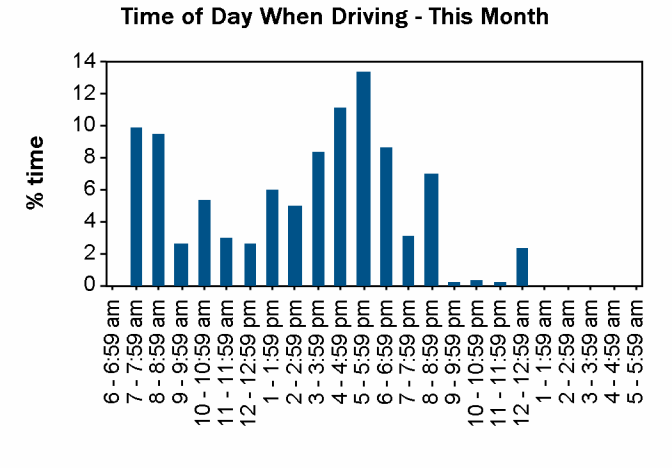


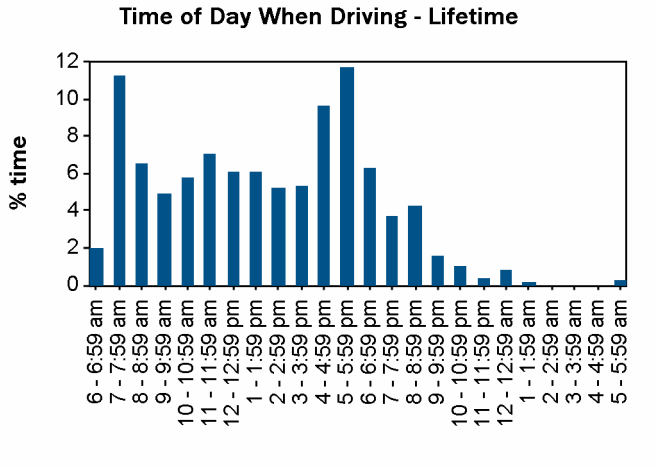
Aggressiveness factor is based on accelerator pedal position. The more time spent during a trip at higher accelerator pedal position, the higher the trip agressiveness. The above plot excludes trips with distance less than 1 mile.

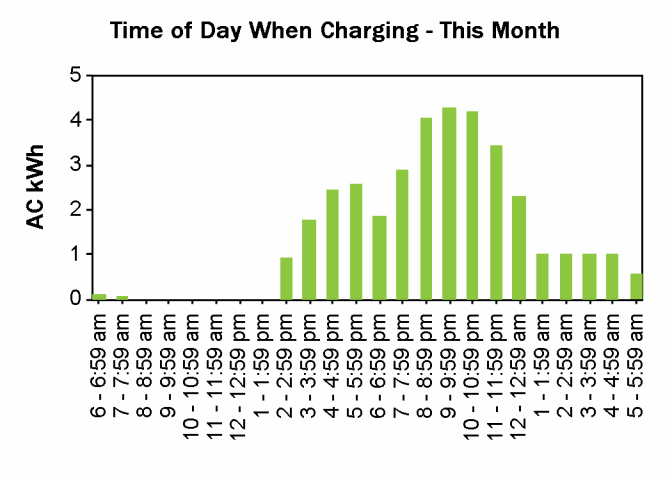


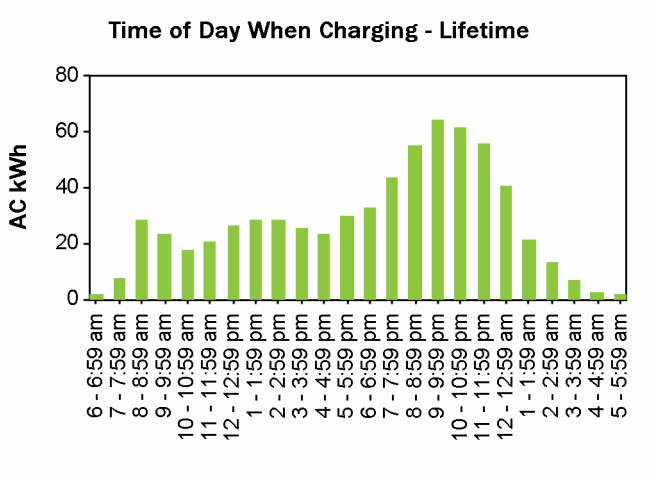
Plug-in charging

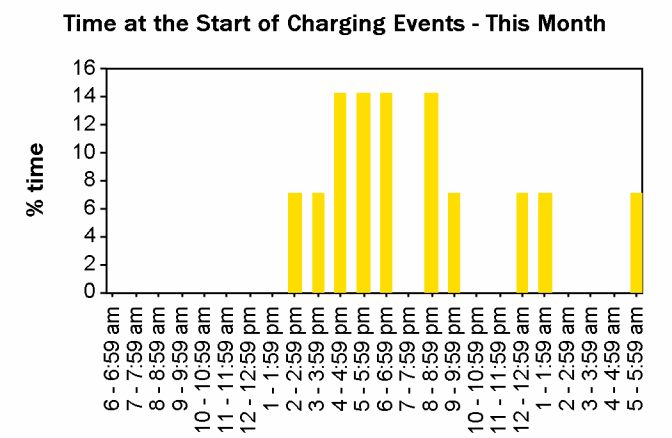
Number of charging events	14
Average number of charging events per day when vehicle driven	0.9
Average number of trips between charging events	6.9
Average duration of charging event (hr)*	8.3
Average energy per charging event (AC kWh)	2.6
Total charging energy (AC kWh)	36.9

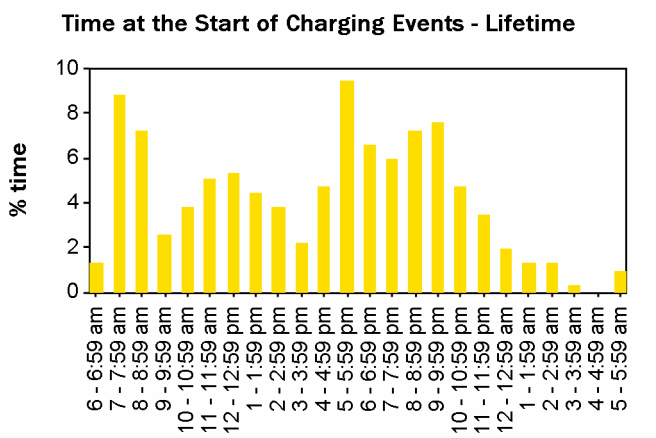












*Average duration of charging event is the average length of time per charging event when the vehicle was plugged into the electrical grid. Electrical energy was not necessarily drawn during the entire period when the vehicle was plugged in.