

Chrysler RAM PHEV Fleet

Number of vehicles: 108
Reporting period: Quarter 3, 2012

All Fleets

Date range of data received: 7/1/2012 to 9/28/2012
Number of vehicle days driven: 4064

All Trips Combined

Overall gasoline fuel economy (mpg)	18
Overall AC electrical energy consumption (AC Wh/mi) ¹	52
Overall DC electrical energy consumption (DC Wh/mi) ²	29
Overall DC electrical energy captured from regenerative braking (DC Wh/mi)	39
Total number of trips	22,071
Total distance traveled (mi)	221,021

Trips in Charge Depleting (CD) mode³

Gasoline fuel economy (mpg)	23
DC electrical energy consumption (DC Wh/mi) ⁴	236
Number of trips	4,884
Percent of trips city highway	94% 6%
Distance traveled (mi)	24,426
Percent of total distance traveled	11%

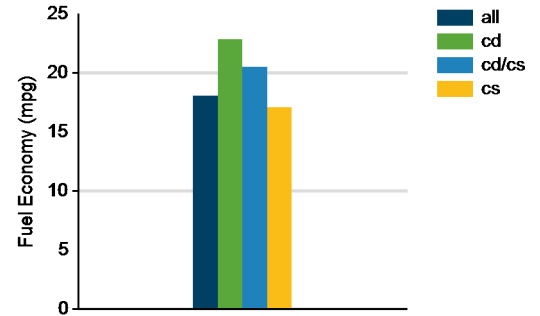
Trips in both Charge Depleting & Charge Sustaining (CD/CS) modes⁵

Gasoline fuel economy (mpg)	21
DC electrical energy consumption (DC Wh/mi) ⁶	59
Number of trips	1,539
Percent of trips city highway	72% 28%
Distance traveled CD CS (mi)	10,093 23,135
Percent of total distance traveled CD CS	5% 10%

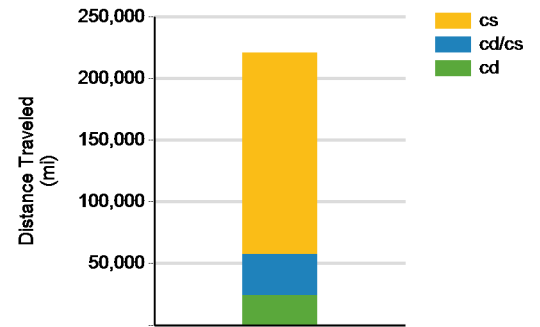
Trips in Charge Sustaining (CS) mode⁷

Gasoline fuel economy (mpg)	17
Number of trips	15,648
Percent of trips city highway	88% 12%
Distance traveled (mi)	163,391
Percent of total distance traveled	74%

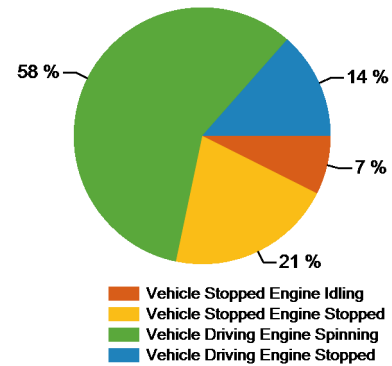
Gasoline Fuel Economy By Trip Type



Distance Traveled By Trip Type



Percent of Drive Time by Operating Mode



Notes: 1 - 9. Please see <http://avt.inl.gov/pdf/phev/chryslerreportnotes.pdf> for an explanation of all PHEV Fleet Testing Report notes. This document also includes all report changes to date.

The Chrysler RAM PHEV Fleet was designed as a demonstration program of customer duty cycles related to plug-in electric vehicles and may not necessarily demonstrate optimized fuel economy.

Vehicle fuel economy is based on customer usage and may not be representative of maximum potential fuel economy.

Trips in Charge Depleting (CD) mode

	City	Highway
Gasoline fuel economy (mpg)	22	26
DC electrical energy consumption (DC Wh/mi)	268	160
Percent of miles with internal combustion engine off	14%	3%
Average trip Agressiveness	6	3.6
Average trip distance (mi)	4	27

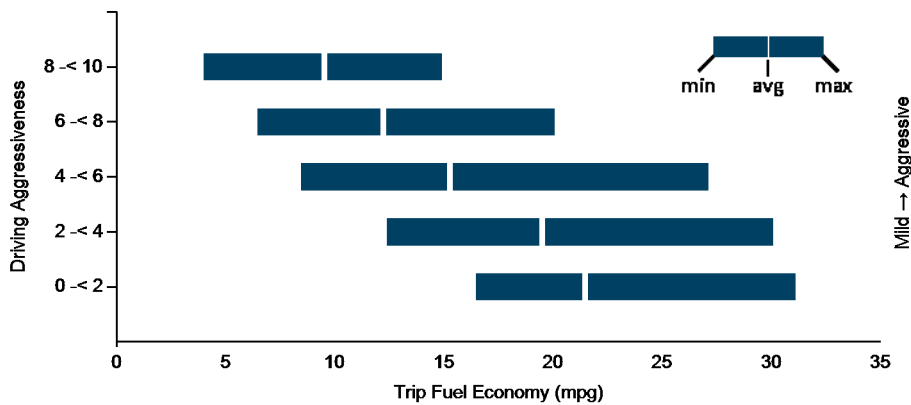
Trips in Charge Depleting and Charge Sustaining (CD/CS) mode

Gasoline fuel economy (mpg)	19	21
DC electrical energy consumption (DC Wh/mi)	87	43
Percent of miles with internal combustion engine off	10%	2%
Average trip Agressiveness	5.3	2.8
Average trip distance (mi)	11	49

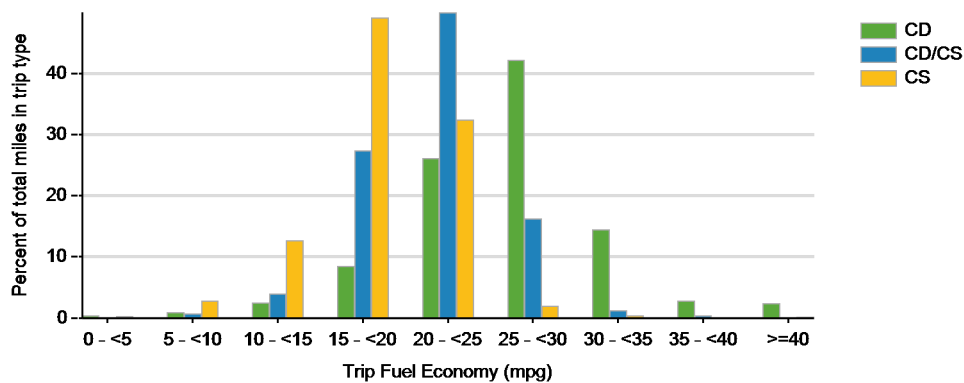
Trips in Charge Sustaining (CS) mode

Gasoline fuel economy (mpg)	15	19
Percent of miles with internal combustion engine off	10%	2%
Average trip Agressiveness	5.8	2.8
Average trip distance (mi)	6	43

Effect of Driving Aggressiveness on Fuel Economy^a



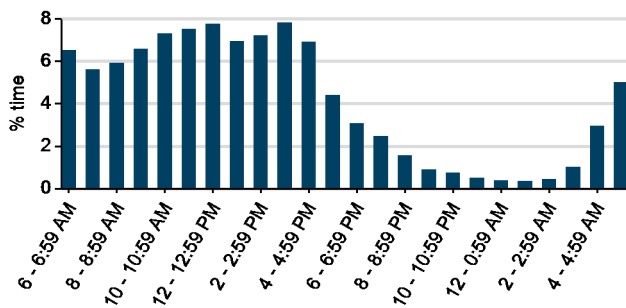
Trip Fuel Economy Distribution By Trip Type



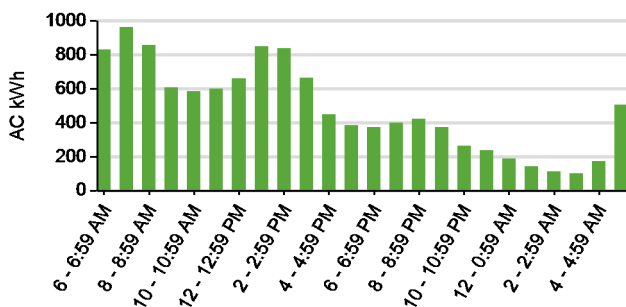
Plug-in charging

Average number of charging events per vehicle per month when driven	6.60	
Average number of charging events per vehicle per day when driven	0.48	
Average distance driven between charging events (mi)	113.46	
Average number of trips between charging events	11.33	
Average time charging per charging event (hr)	2.52	
Average energy per charging event (AC kWh)	5.94	
Average charging energy per vehicle per month (AC kWh)	39.22	
Total number of charging events	1,948	
Number of charging events at Level 1 Level 2	501	1415
Total charging energy consumed (AC kWh)	11,571	
Charging energy consumed at Level 1 Level 2 (AC kWh)	2,498	9,066
Percent of total charging energy from Level 1 Level 2	22%	78%
Average time to charge from 20% to 100% SOC (hrs) Level 1 Level 2 ⁹	14.00	3.43

Time of Day When Driving



Time of Day When Charging



Time of Day When Plugging In

