

Chrysler RAM PHEV Fleet

Number of vehicles: 111
Reporting period: July 11 - Sep 12

All Fleets

Date range of data received: 7/1/2011 to 9/28/2012
Number of vehicle days driven: 18620

All Trips Combined

Overall gasoline fuel economy (mpg)	19
Overall AC electrical energy consumption (AC Wh/mi) ¹	90
Overall DC electrical energy consumption (DC Wh/mi) ²	61
Overall DC electrical energy captured from regenerative braking (DC Wh/mi)	43
Total number of trips	111,773
Total distance traveled (mi)	1,039,138

Trips in Charge Depleting (CD) mode³

Gasoline fuel economy (mpg)	23
DC electrical energy consumption (DC Wh/mi) ⁴	213
Number of trips	42,155
Percent of trips city highway	94% 6%
Distance traveled (mi)	230,741
Percent of total distance traveled	22%

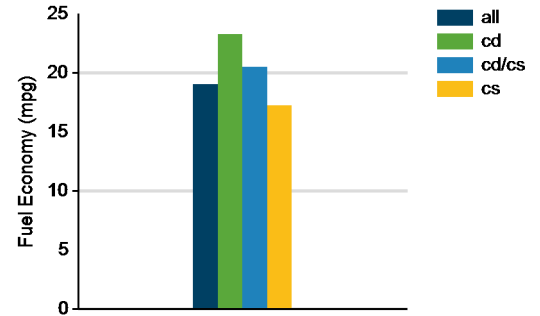
Trips in both Charge Depleting & Charge Sustaining (CD/CS) modes⁵

Gasoline fuel economy (mpg)	21
DC electrical energy consumption (DC Wh/mi) ⁶	68
Number of trips	11,855
Percent of trips city highway	74% 26%
Distance traveled CD CS (mi)	88,728 155,504
Percent of total distance traveled CD CS	9% 15%

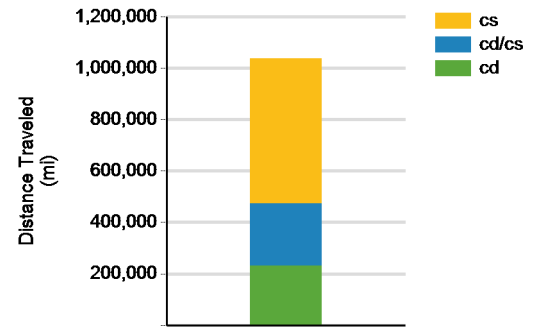
Trips in Charge Sustaining (CS) mode⁷

Gasoline fuel economy (mpg)	17
Number of trips	57,763
Percent of trips city highway	89% 11%
Distance traveled (mi)	564,843
Percent of total distance traveled	54%

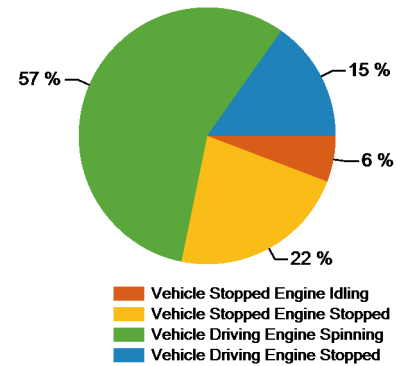
Gasoline Fuel Economy By Trip Type



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)	232	161
Percent of miles with internal combustion engine off	15%	3%
Average trip Agressiveness	6.1	3.7
Average trip distance (mi)	4	25

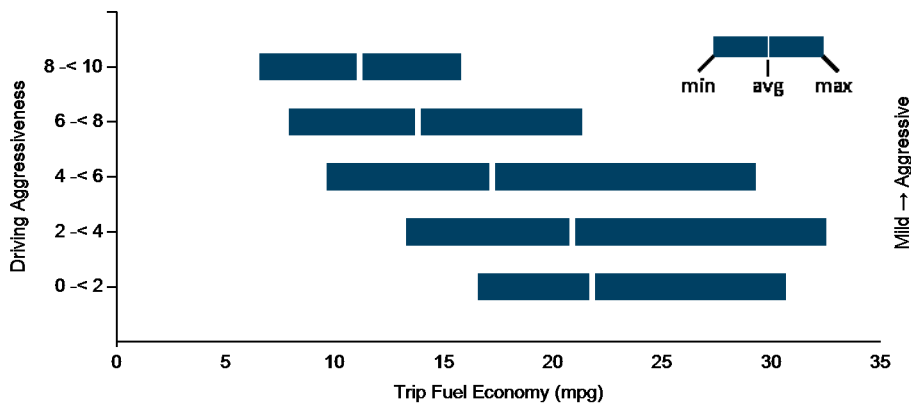
Trips in Charge Depleting and Charge Sustaining (CD/CS) mode

Gasoline fuel economy (mpg)	19	21
DC electrical energy consumption (DC Wh/mi)	83	56
Percent of miles with internal combustion engine off	12%	2%
Average trip Agressiveness	5.4	2.8
Average trip distance (mi)	12	45

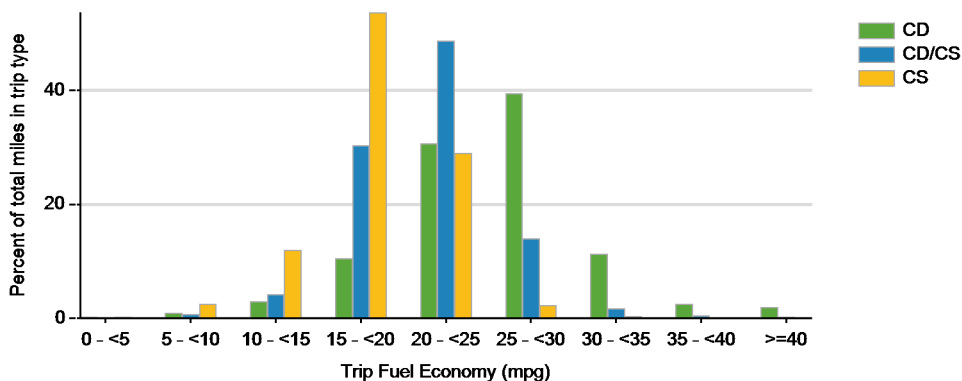
Trips in Charge Sustaining (CS) mode

Gasoline fuel economy (mpg)	16	19
Percent of miles with internal combustion engine off	11%	2%
Average trip Agressiveness	5.8	2.7
Average trip distance (mi)	6	42

Effect of Driving Aggressiveness on Fuel Economy^a



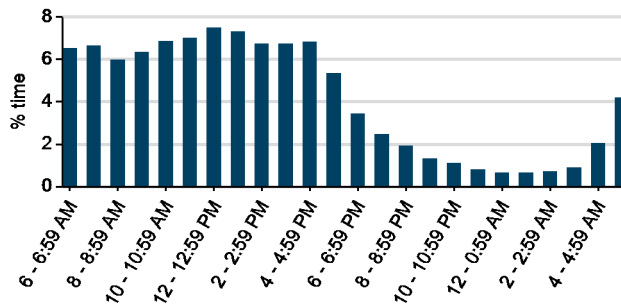
Trip Fuel Economy Distribution By Trip Type



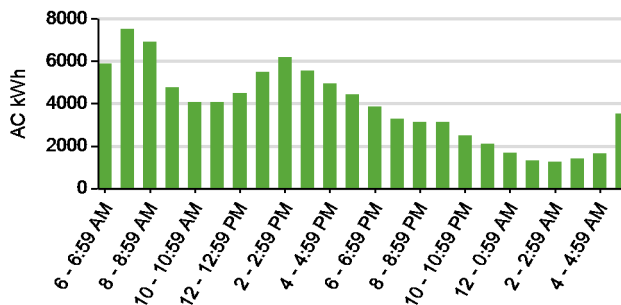
Plug-in charging

Average number of charging events per vehicle per month when driven	11.27	
Average number of charging events per vehicle per day when driven	0.79	
Average distance driven between charging events (mi)	70.63	
Average number of trips between charging events	7.60	
Average time charging per charging event (hr)	2.38	
Average energy per charging event (AC kWh)	6.35	
Average charging energy per vehicle per month (AC kWh)	71.55	
Total number of charging events	14,712	
Number of charging events at Level 1 Level 2	3,556	11073
Total charging energy consumed (AC kWh)	93,374	
Charging energy consumed at Level 1 Level 2 (AC kWh)	22,220	71,144
Percent of total charging energy from Level 1 Level 2	24%	76%
Average time to charge from 20% to 100% SOC (hrs) Level 1 Level 2 ⁹	12.62	2.87

Time of Day When Driving



Time of Day When Charging



Time of Day When Plugging In

