

Chrysler RAM PHEV Fleet - Phase 2

All Fleets

Number of vehicles: 21

Date range of data received: 7/1/2014 to 7/31/2014

Reporting period: July 2014

Number of vehicle days driven: 451

All Trips Combined

Overall gasoline fuel economy (mpg)	21
Overall AC electrical energy consumption (AC Wh/mi) ¹	79
Overall DC electrical energy consumption (DC Wh/mi) ²	59
Overall DC electrical energy captured from regenerative braking (DC Wh/mi)	35
Total number of trips	2,123
Total distance traveled (mi)	28,956

Trips in Charge Depleting (CD) mode³

Gasoline fuel economy (mpg)	26
DC electrical energy consumption (DC Wh/mi) ⁴	215
Number of trips	751
Percent of trips city highway	86% 13%
Distance traveled (mi)	5,948
Percent of total distance traveled	21%

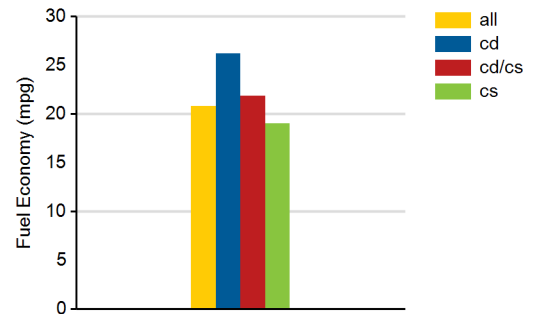
Trips in both Charge Depleting & Charge Sustaining (CD/CS) modes⁵

Gasoline fuel economy (mpg)	22
DC electrical energy consumption (DC Wh/mi) ⁶	66
Number of trips	285
Percent of trips city highway	65% 34%
Distance traveled CD CS (mi)	2,201 4,570
Percent of total distance traveled CD CS	8% 16%

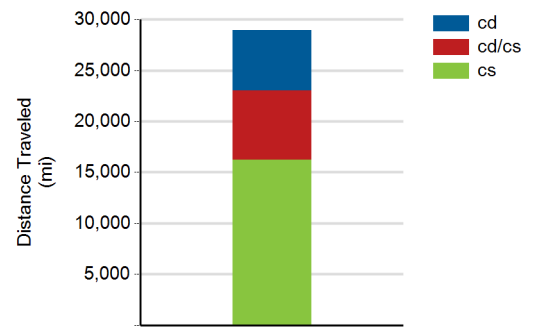
Trips in Charge Sustaining (CS) mode⁷

Gasoline fuel economy (mpg)	19
Number of trips	1,087
Percent of trips city highway	76% 23%
Distance traveled (mi)	16,239
Percent of total distance traveled	56%

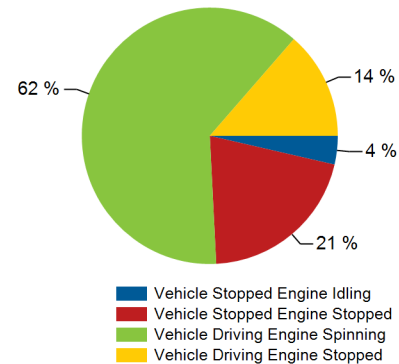
Gasoline Fuel Economy By Trip Type



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)	26	27
DC electrical energy consumption (DC Wh/mi)	233	172
Percent of miles with internal combustion engine off	14%	2%
Average trip Aggressiveness	5.7	3.9
Average trip distance (mi)	6	18

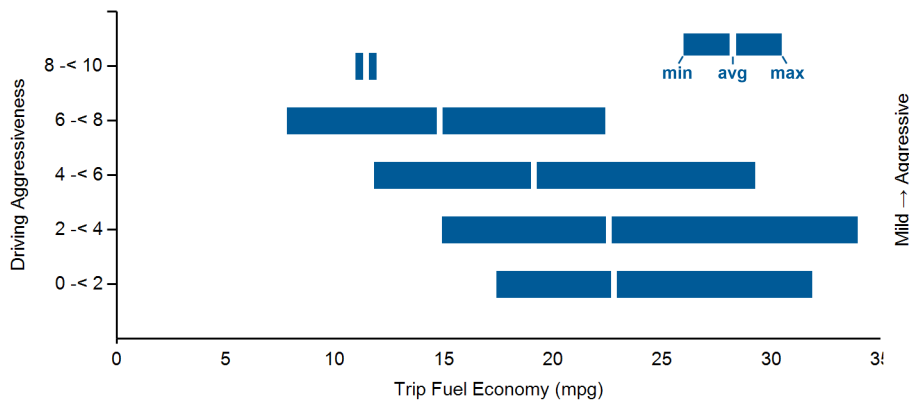
Trips in Charge Depleting and Charge Sustaining (CD/CS) mode

Gasoline fuel economy (mpg)	22	22
DC electrical energy consumption (DC Wh/mi)	101	42
Percent of miles with internal combustion engine off	12%	2%
Average trip Aggressiveness	5.1	2.8
Average trip distance (mi)	15	40

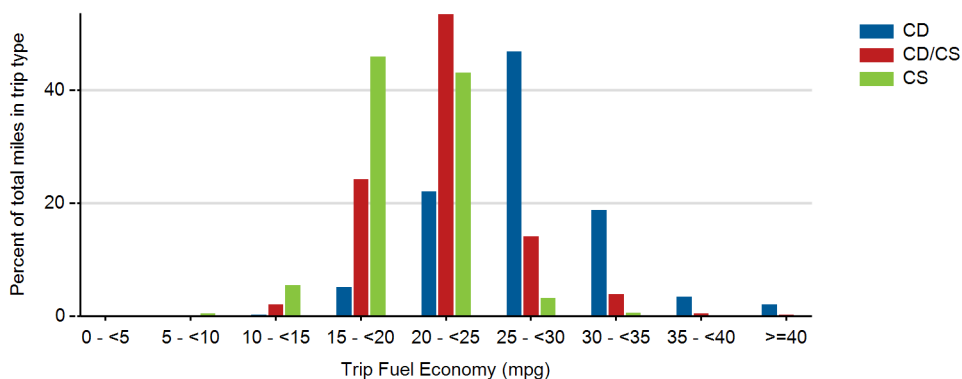
Trips in Charge Sustaining (CS) mode

Gasoline fuel economy (mpg)	17	21
Percent of miles with internal combustion engine off	8%	2%
Average trip Aggressiveness	5.4	2.9
Average trip distance (mi)	8	37

Effect of Driving Aggressiveness on Fuel Economy^a



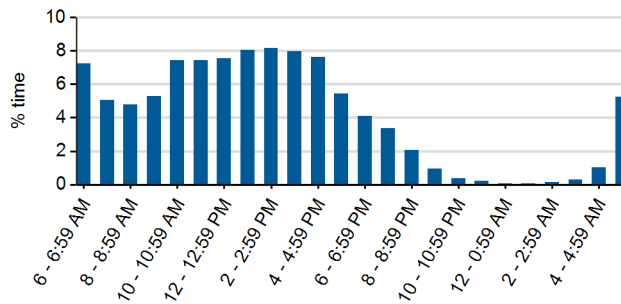
Trip Fuel Economy Distribution By Trip Type



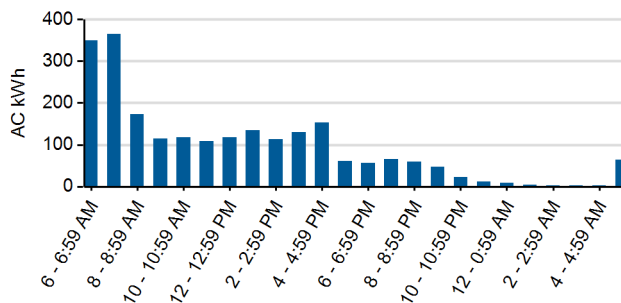
Plug-in charging

Average number of charging events per vehicle per month when driven	20.38	
Average number of charging events per vehicle per day when driven	0.95	
Average distance driven between charging events (mi)	67.65	
Average number of trips between charging events	4.96	
Average time charging per charging event (hr)	1.33	
Average energy per charging event (AC kWh)	5.32	
Average charging energy per vehicle per month (AC kWh)	108.43	
Total number of charging events	428	
Number of charging events at Level 1 Level 2	24	404
Total charging energy consumed (AC kWh)	2,277	
Charging energy consumed at Level 1 Level 2 (AC kWh)	63	2,214
Percent of total charging energy from Level 1 Level 2	3%	97%
Average time to charge from 20% to 100% SOC (hrs) Level 1 Level 2 ⁹	11.92	2.35

Time of Day When Driving



Time of Day When Charging



Time of Day When Plugging In

