

Chrysler RAM PHEV Fleet

Number of vehicles: 88

Date range of data received: 7/1/2011 to 11/30/2011

Reporting period: July 11 - Nov 11

Number of vehicle days driven: 3167

All Trips Combined

Overall gasoline fuel economy (mpg)	19
Overall AC electrical energy consumption (AC Wh/mi) ¹	102
Overall DC electrical energy consumption (DC Wh/mi) ²	62
Overall DC electrical energy captured from regenerative braking (DC Wh/mi)	48
Total number of trips	17,474
Total distance traveled (mi)	127,717

Trips in Charge Depleting (CD) mode³

Gasoline fuel economy (mpg)	23
DC electrical energy consumption (DC Wh/mi) ⁴	230
Number of trips	7,073
Percent of trips city highway	97% 3%
Distance traveled (mi)	28,261
Percent of total distance traveled	22%

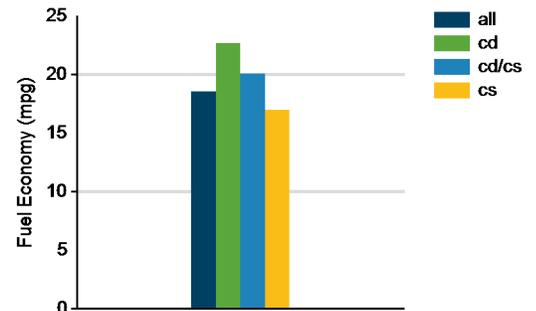
Trips in both Charge Depleting & Charge Sustaining (CD/CS) modes⁵

Gasoline fuel economy (mpg)	20
DC electrical energy consumption (DC Wh/mi) ⁶	75
Number of trips	1,394
Percent of trips city highway	81% 19%
Distance traveled CD CS (mi)	9,359 15,940
Percent of total distance traveled CD CS	7% 12%

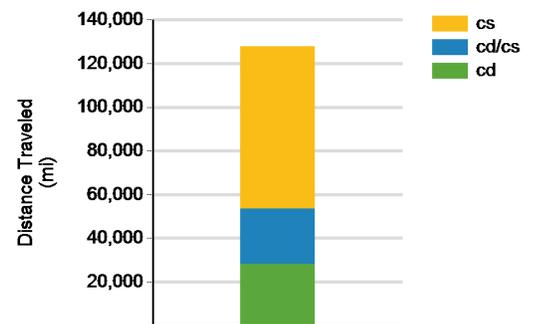
Trips in Charge Sustaining (CS) mode⁷

Gasoline fuel economy (mpg)	17
Number of trips	9,007
Percent of trips city highway	92% 8%
Distance traveled (mi)	74,248
Percent of total distance traveled	58%

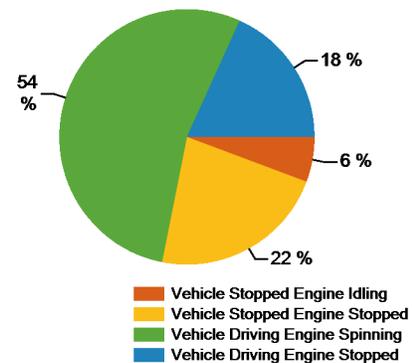
Gasoline Fuel Economy By Trip Type



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.

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)	245	162
Percent of miles with internal combustion engine off	19%	3%
Average trip Agressiveness	4.3	2.3
Percent of miles with air conditioning selected	76%	78%
Average trip distance (mi)	3	20

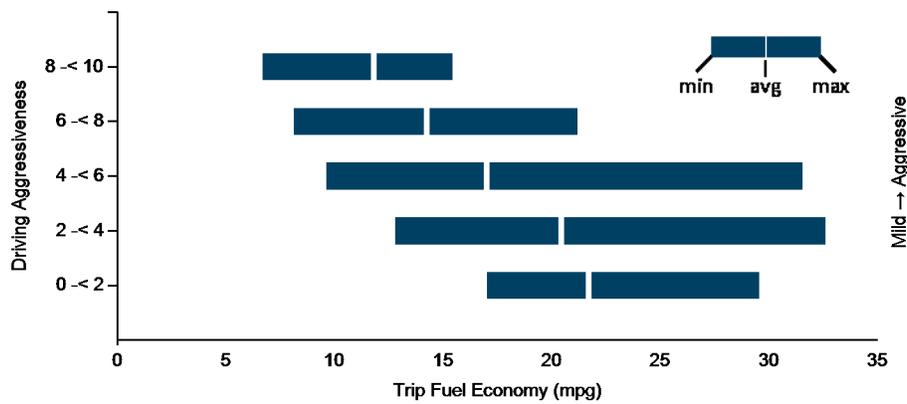
Trips in Charge Depleting and Charge Sustaining (CD/CS) mode

Gasoline fuel economy (mpg)	20	20
DC electrical energy consumption (DC Wh/mi)	93	53
Percent of miles with internal combustion engine off	14%	2%
Average trip Agressiveness	3.9	2
Percent of miles with air conditioning selected	82%	87%
Average trip distance (mi)	13	41

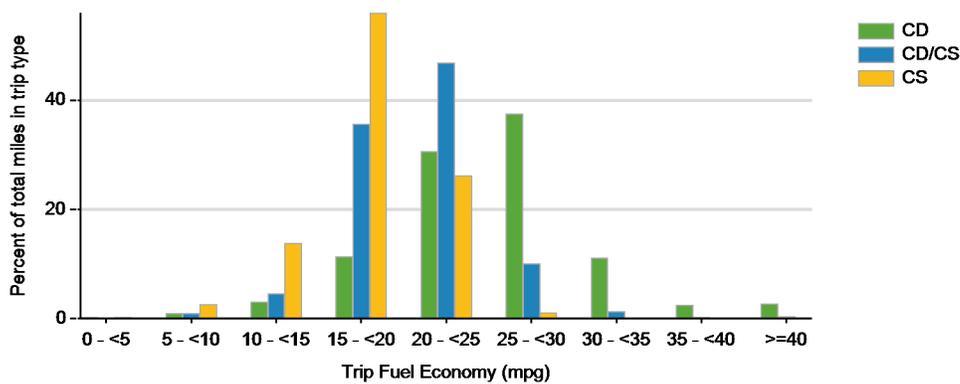
Trips in Charge Sustaining (CS) mode

Gasoline fuel economy (mpg)	16	19
Percent of miles with internal combustion engine off	12%	2%
Average trip Agressiveness	4.2	2
Percent of miles with air conditioning selected	86%	92%
Average trip distance (mi)	6	40

Effect of Driving Aggressiveness on Fuel Economy^a



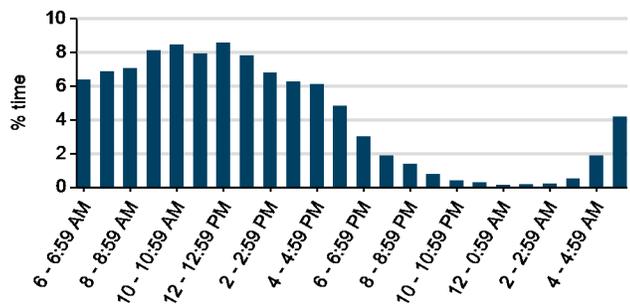
Trip Fuel Economy Distribution By Trip Type



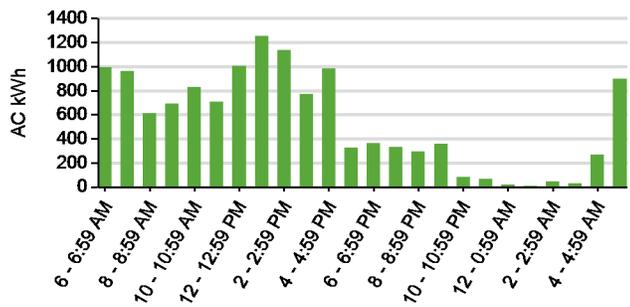
Plug-in charging

Average number of charging events per vehicle per month when driven	7.29	
Average number of charging events per vehicle per day when driven	0.67	
Average distance driven between charging events (mi)	60.19	
Average number of trips between charging events	8.23	
Average time charging per charging event (hr)	2.01	
Average energy per charging event (AC kWh)	6.14	
Average charging energy per vehicle per month (AC kWh)	44.79	
Total number of charging events	2,122	
Number of charging events at Level 1 Level 2	416	1673
Total charging energy consumed (AC kWh)	13,035	
Charging energy consumed at Level 1 Level 2 (AC kWh)	2,708	10,326
Percent of total charging energy from Level 1 Level 2	21%	79%
Average time to charge from 20% to 100% SOC (hrs) Level 1 Level 2 ⁹	17.78	2.45

Time of Day When Driving



Time of Day When Charging



Time of Day When Plugging In

